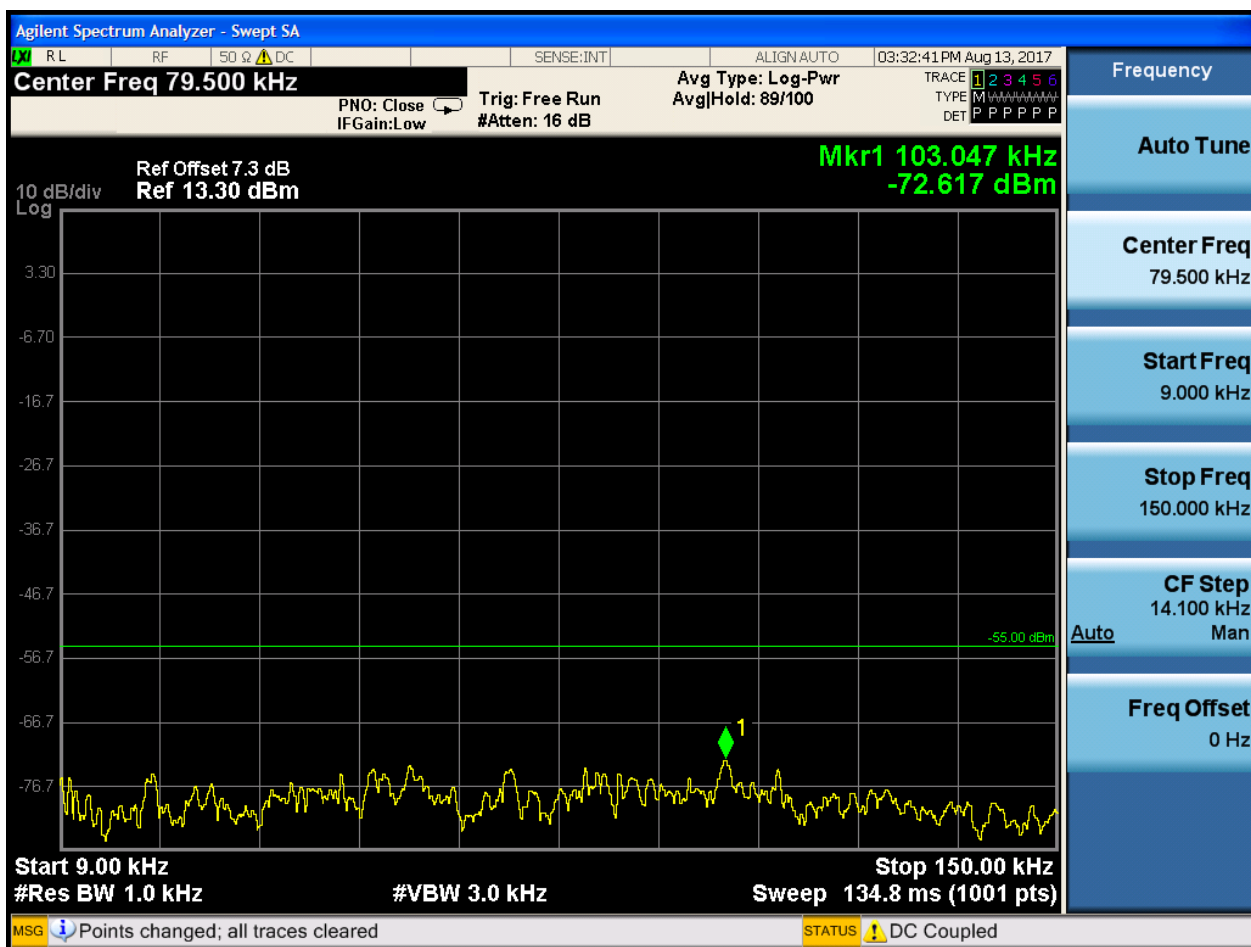
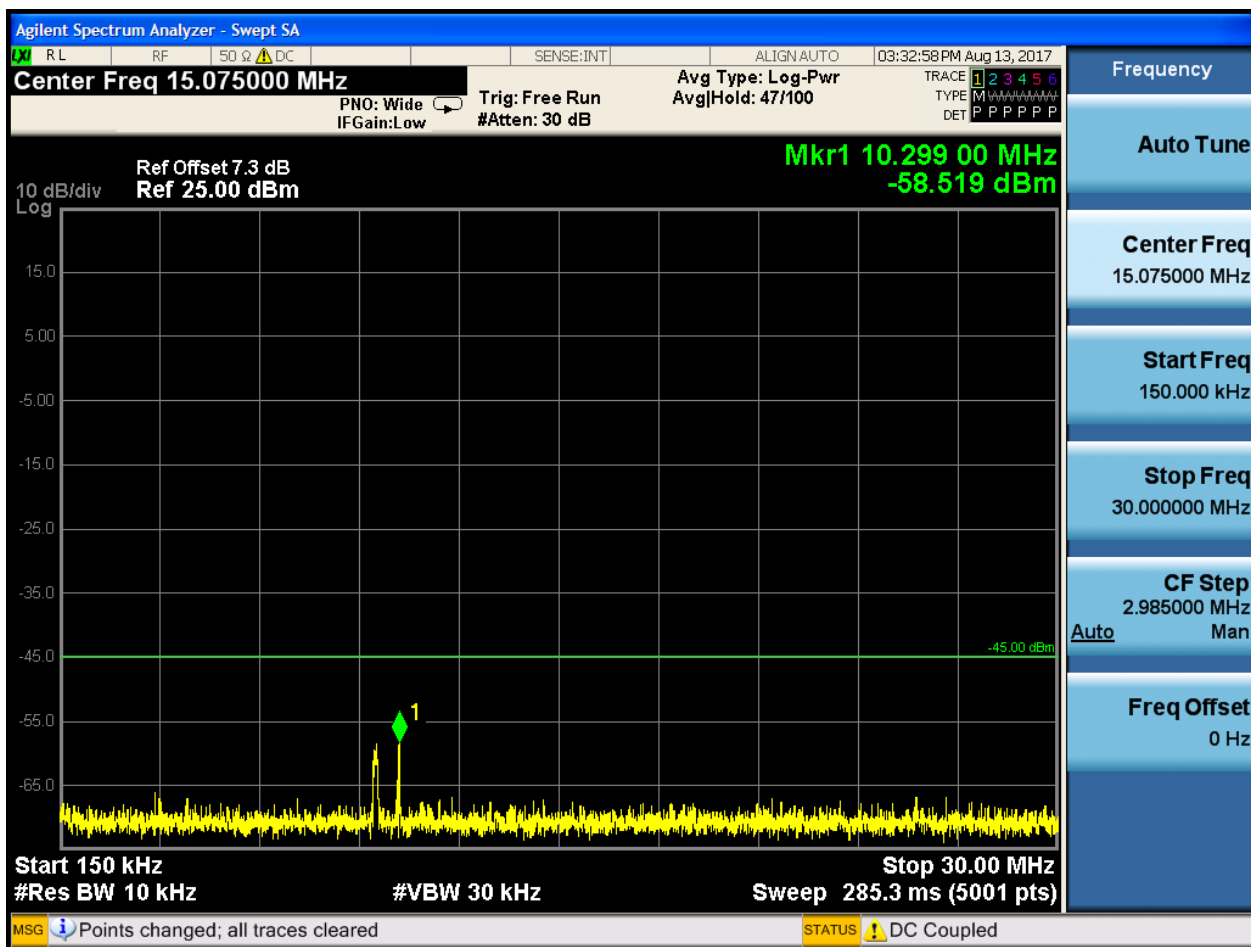


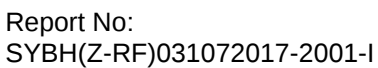
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

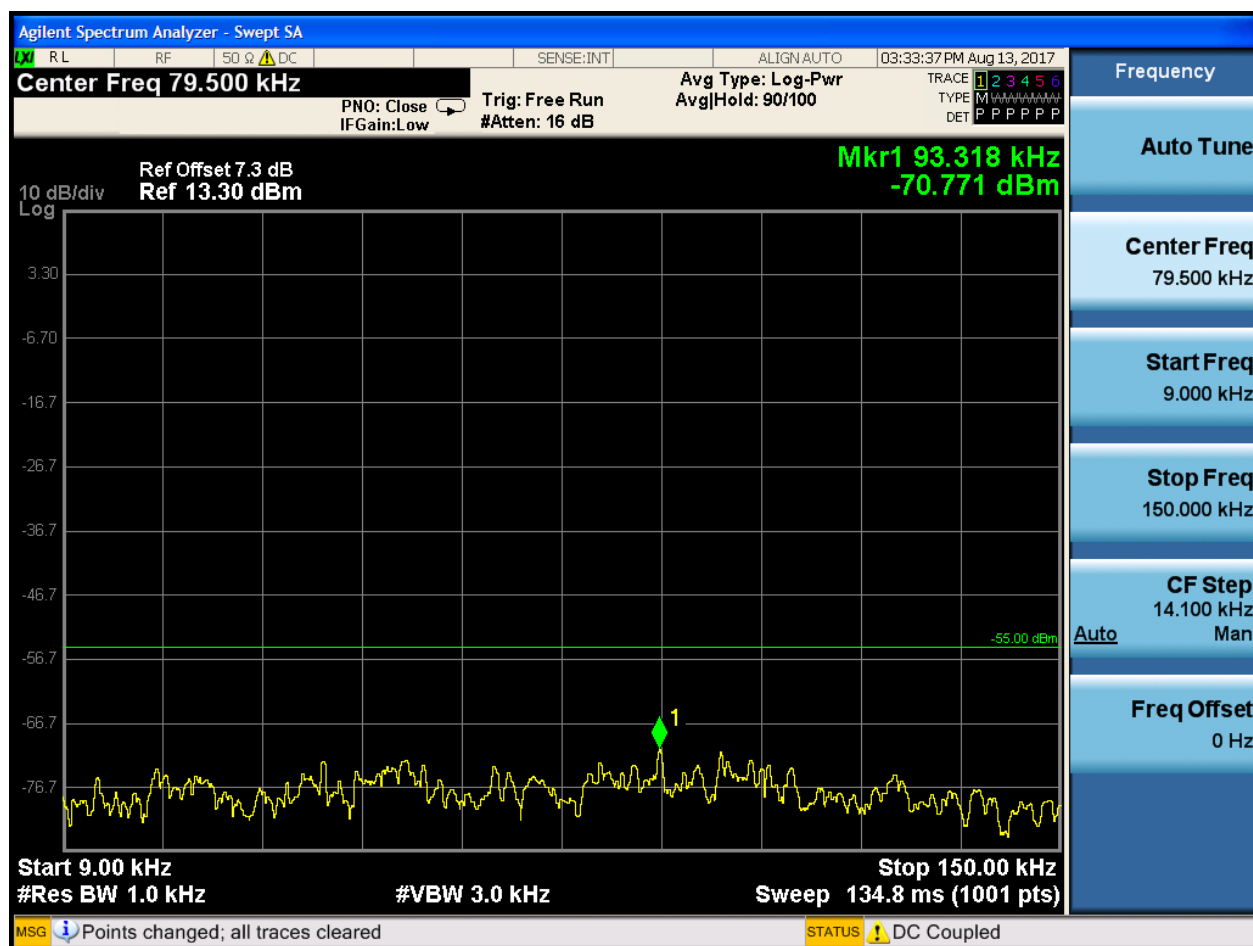


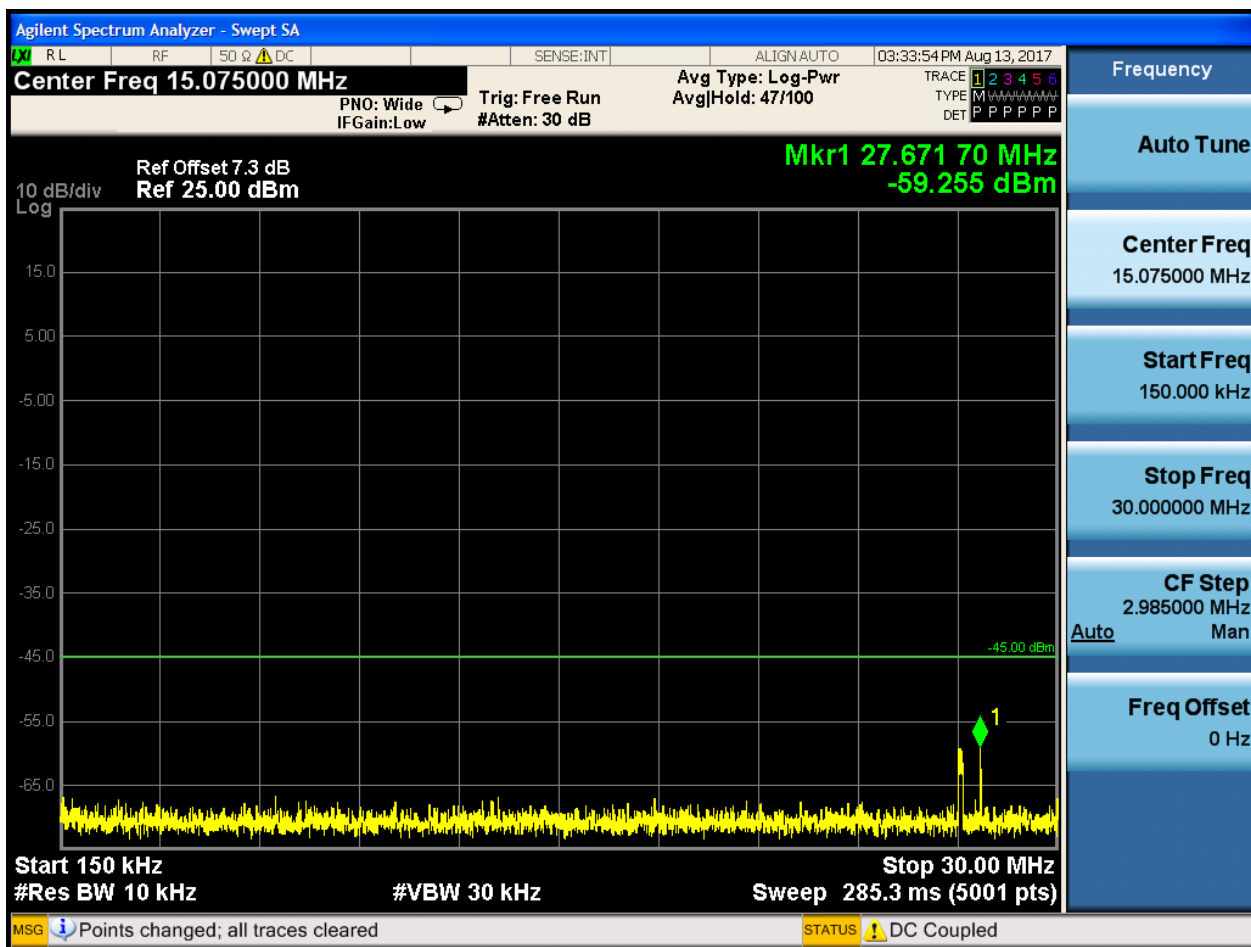


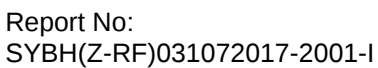


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

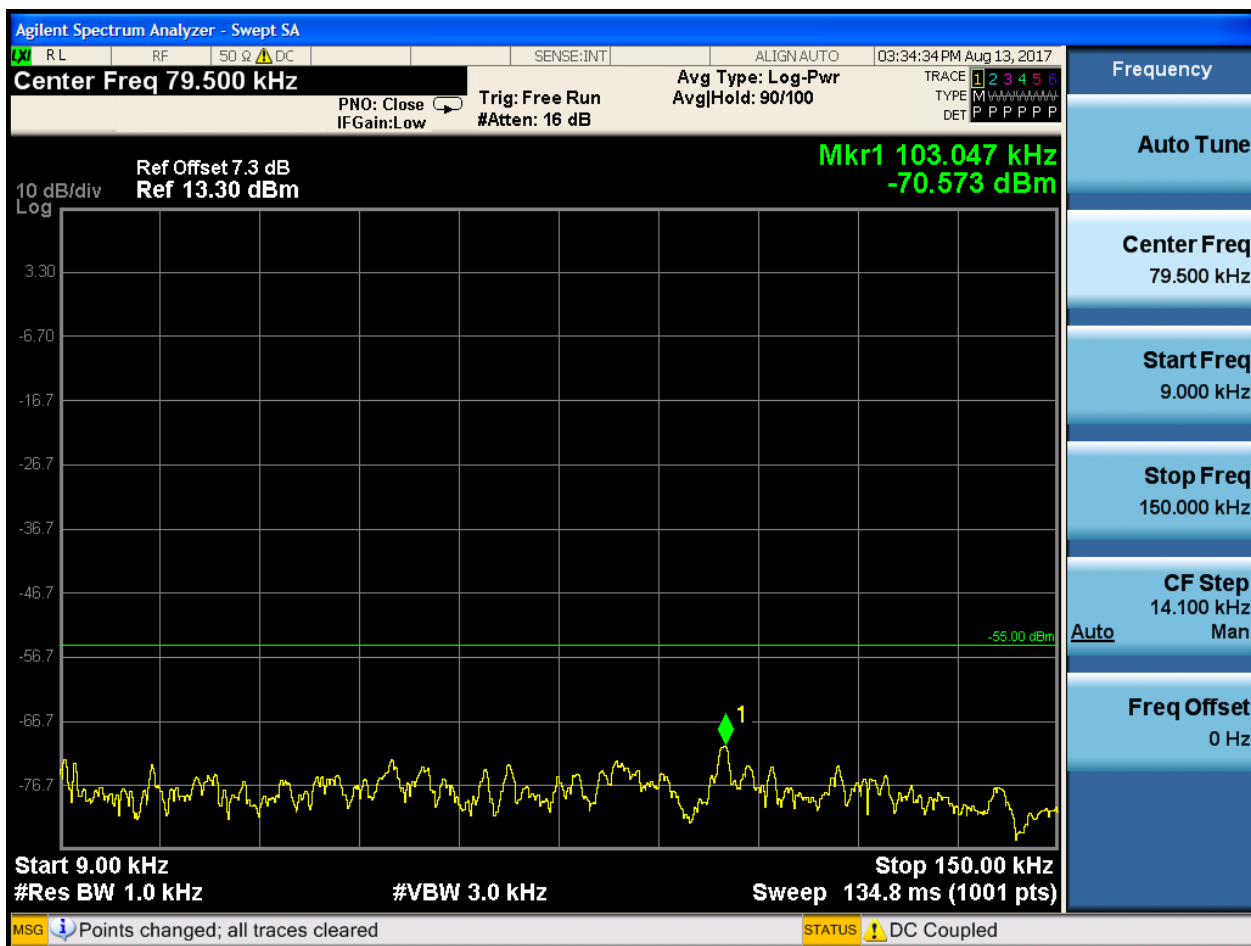


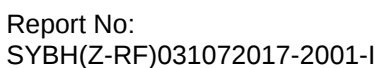


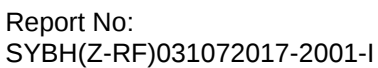


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



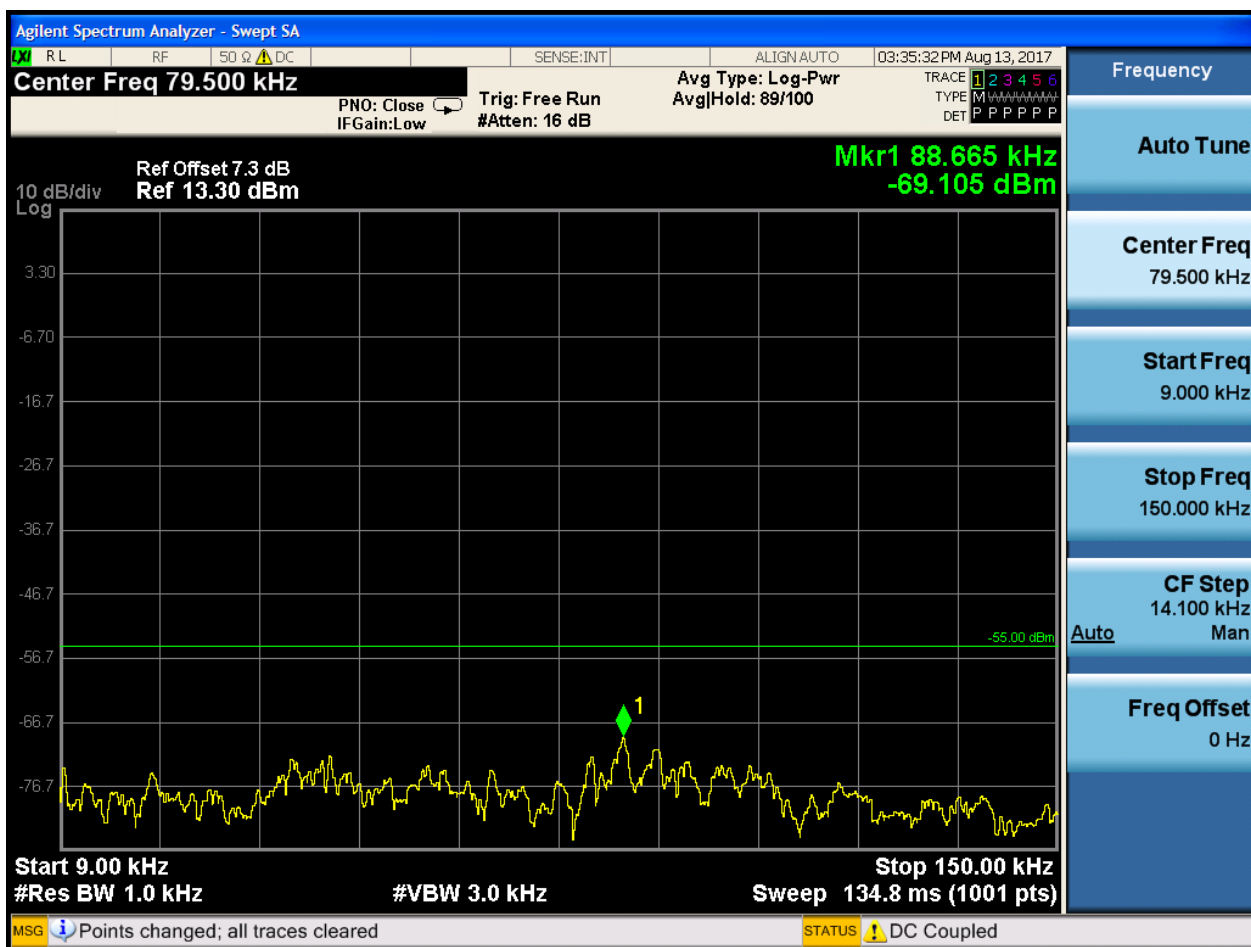


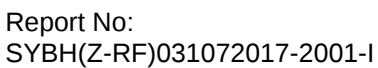


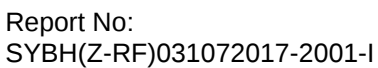
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

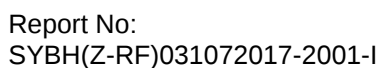




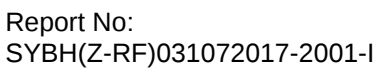




6.1.1.1.4.2.1 Test RB = RB1#0

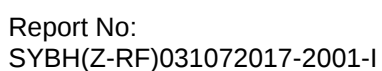


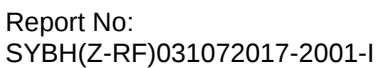


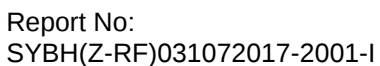




6.1.1.1.4.3.1 Test RB = RB1#0





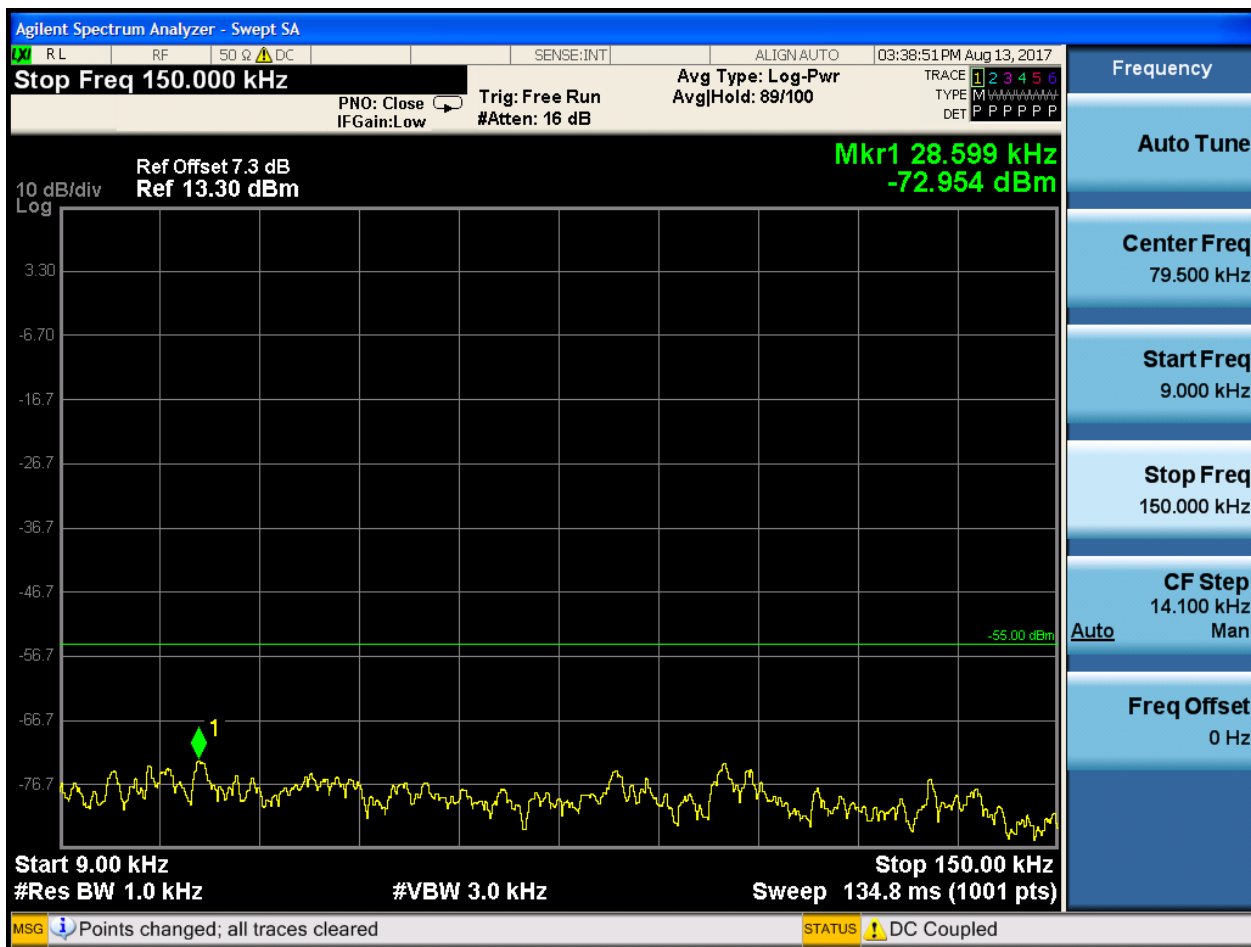


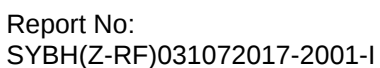
6.1.1.2 Test Mode = LTE/TM2

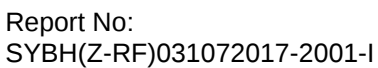
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

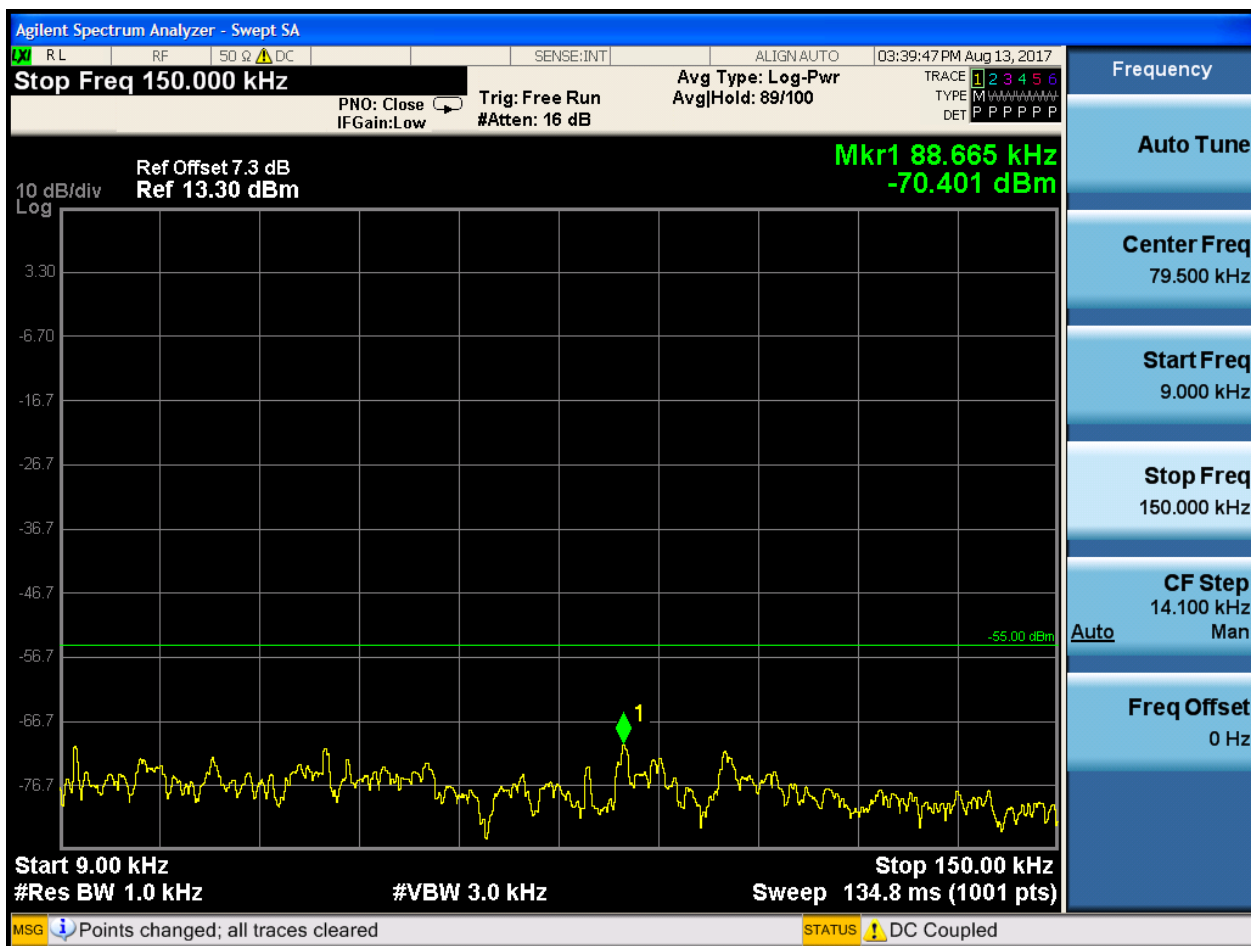




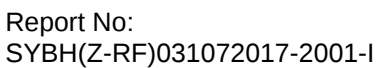


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

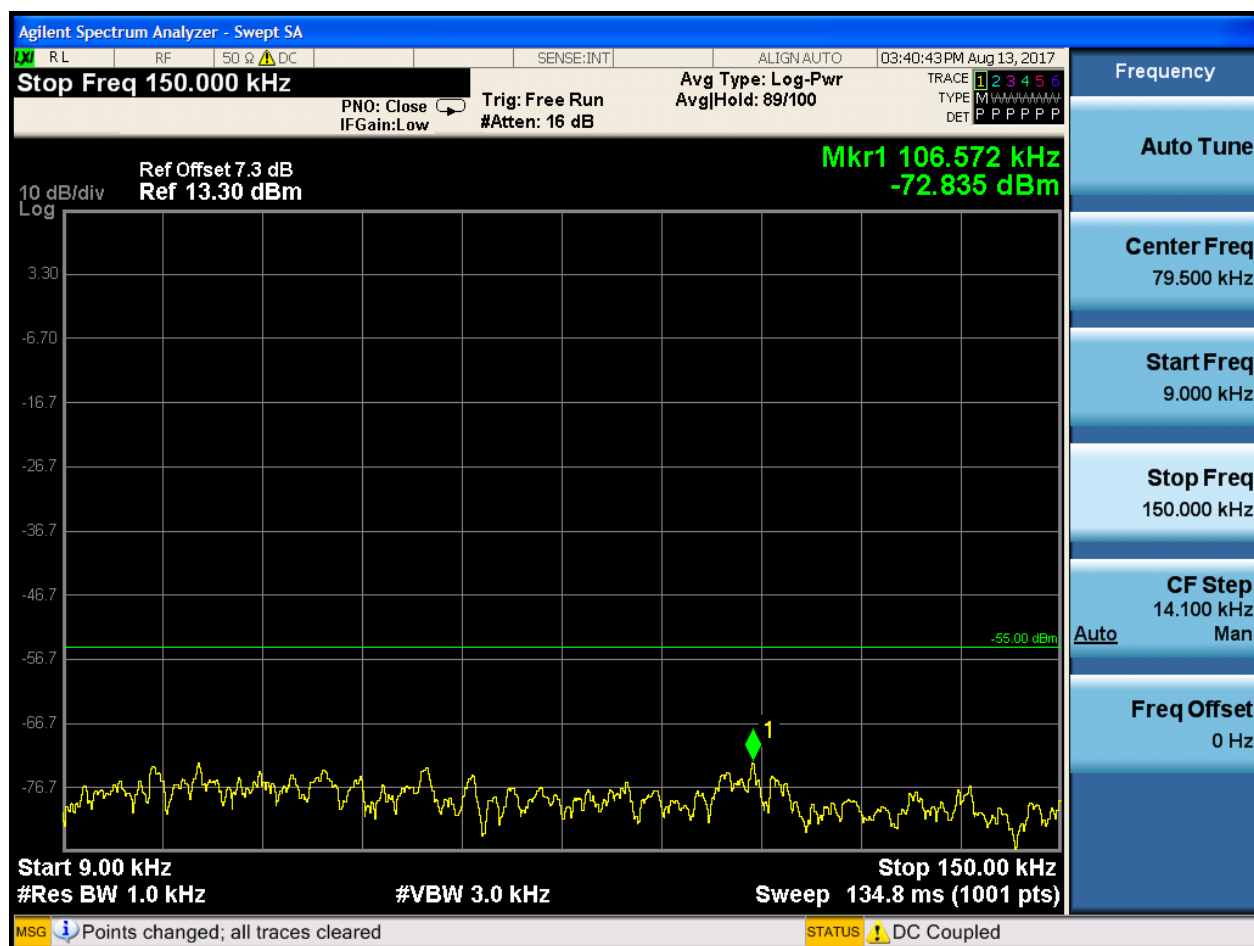


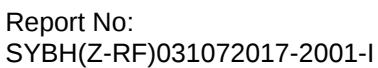


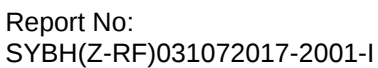


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



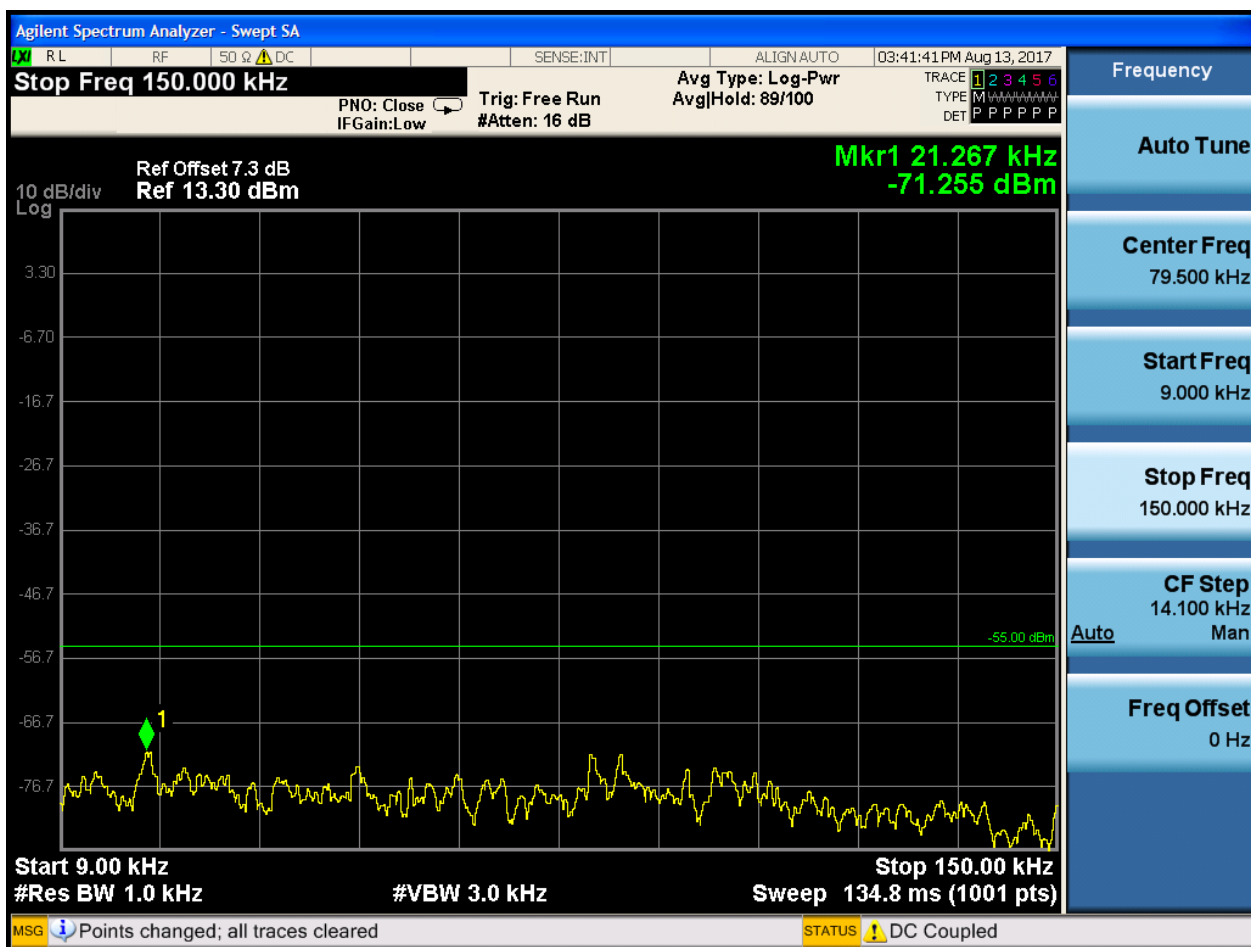


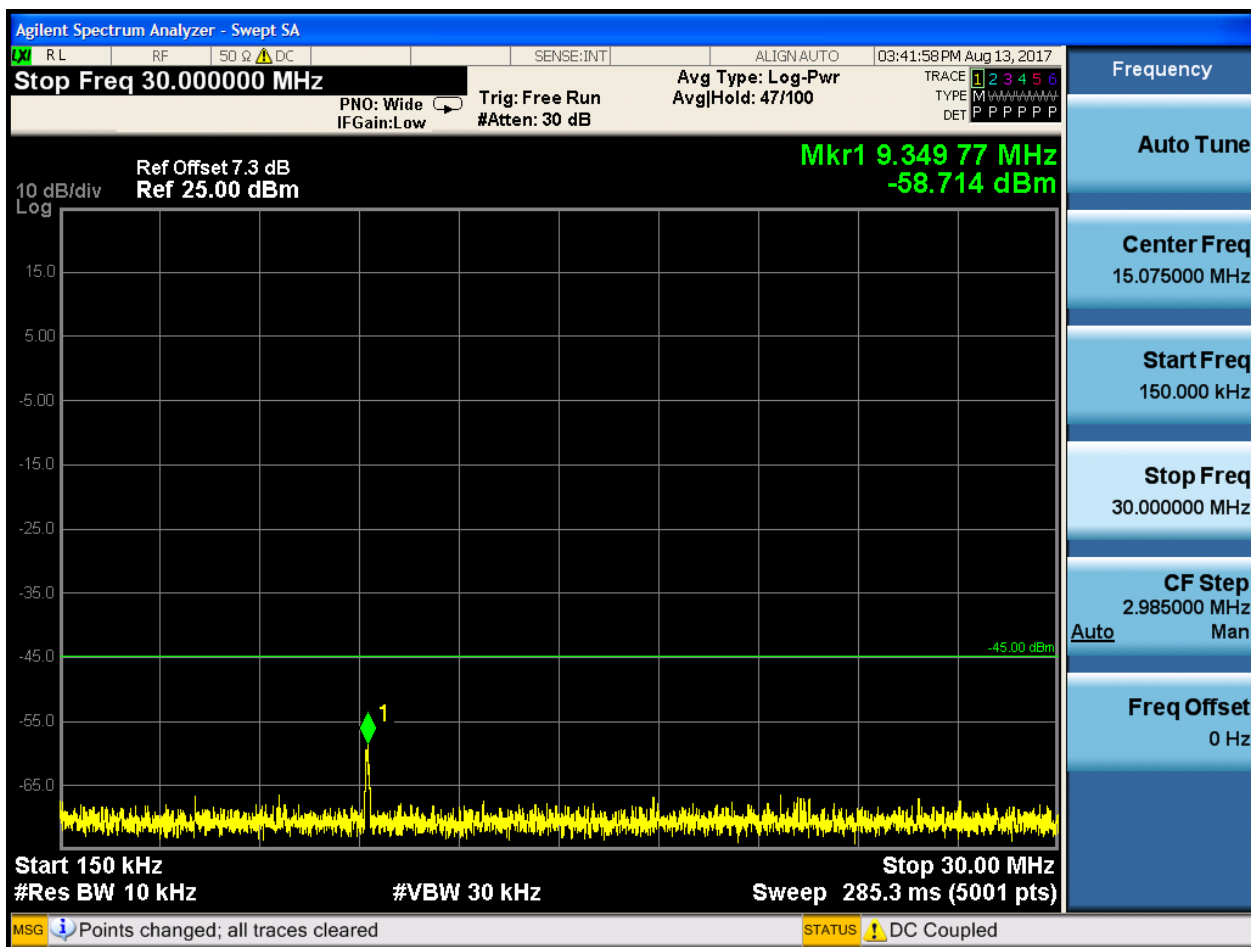


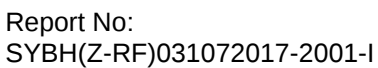
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

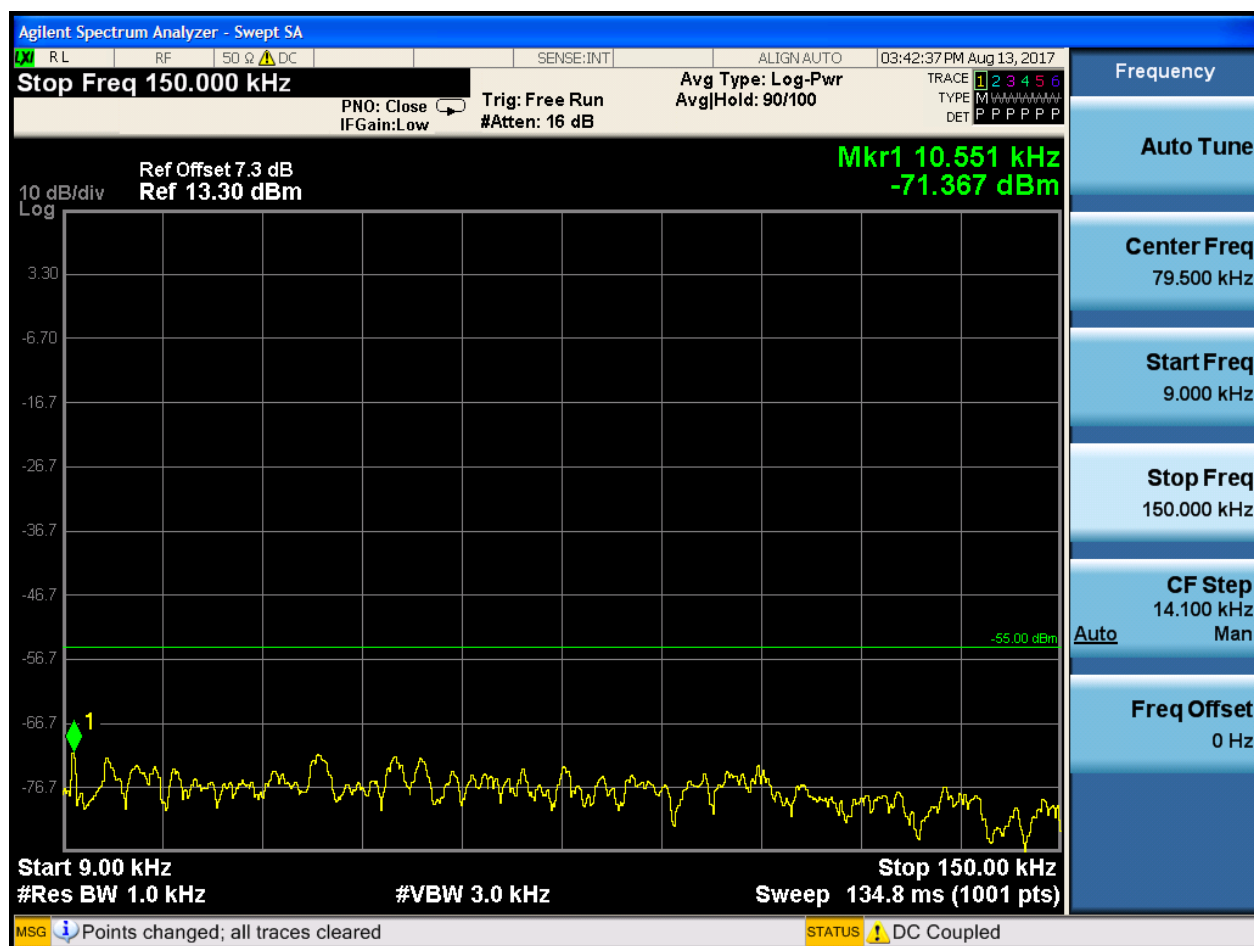


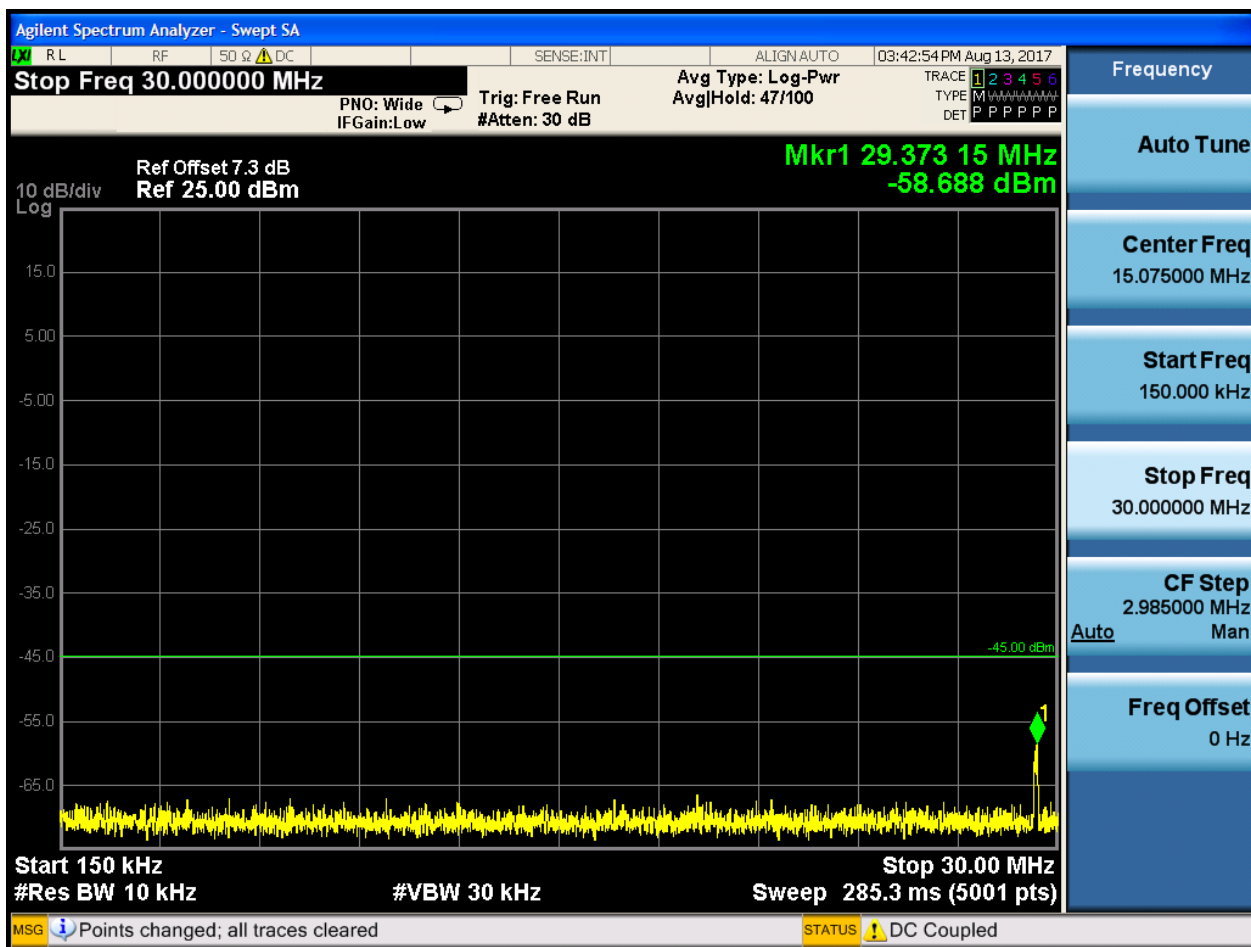


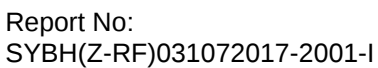


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

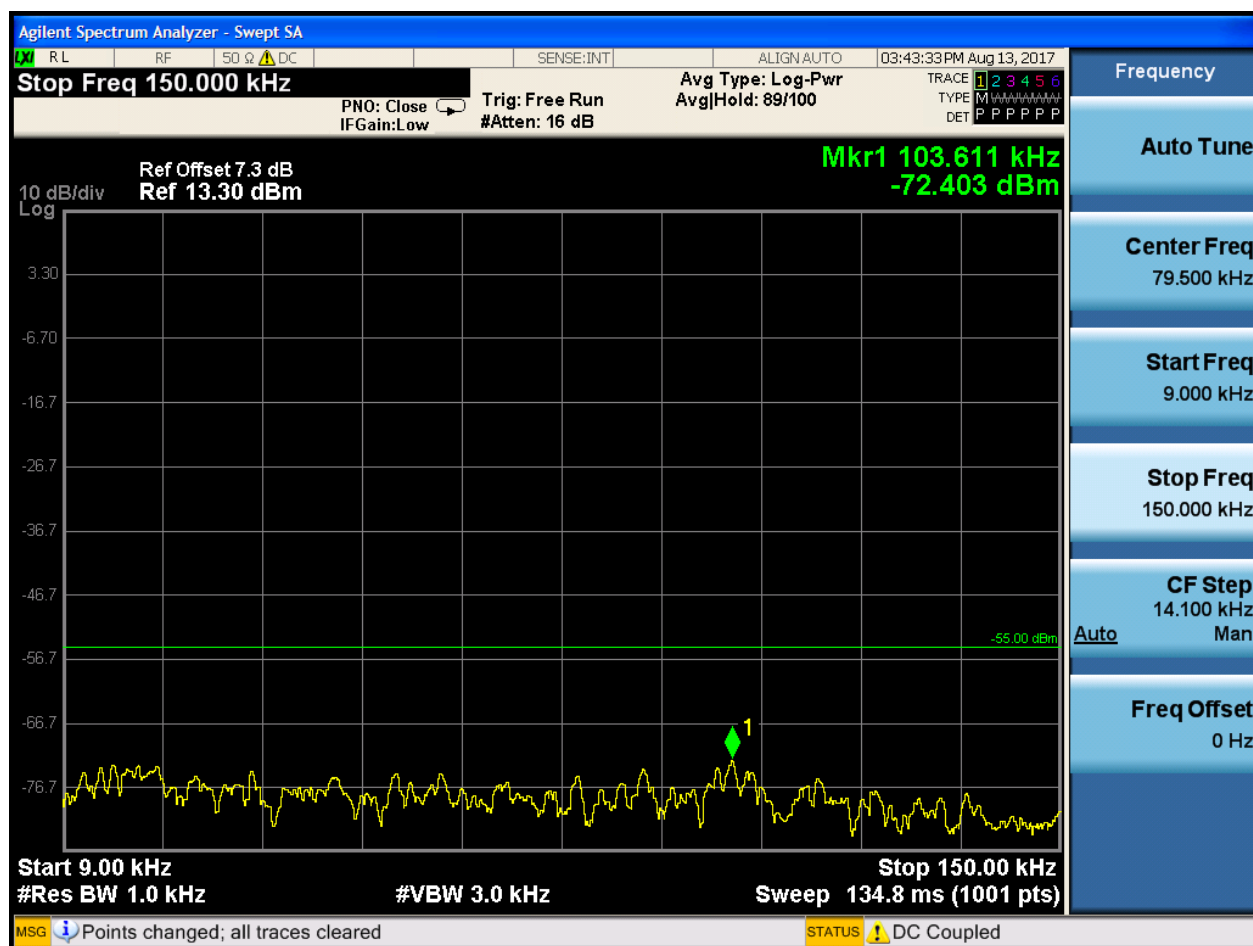


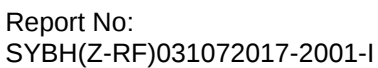


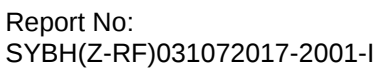


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0

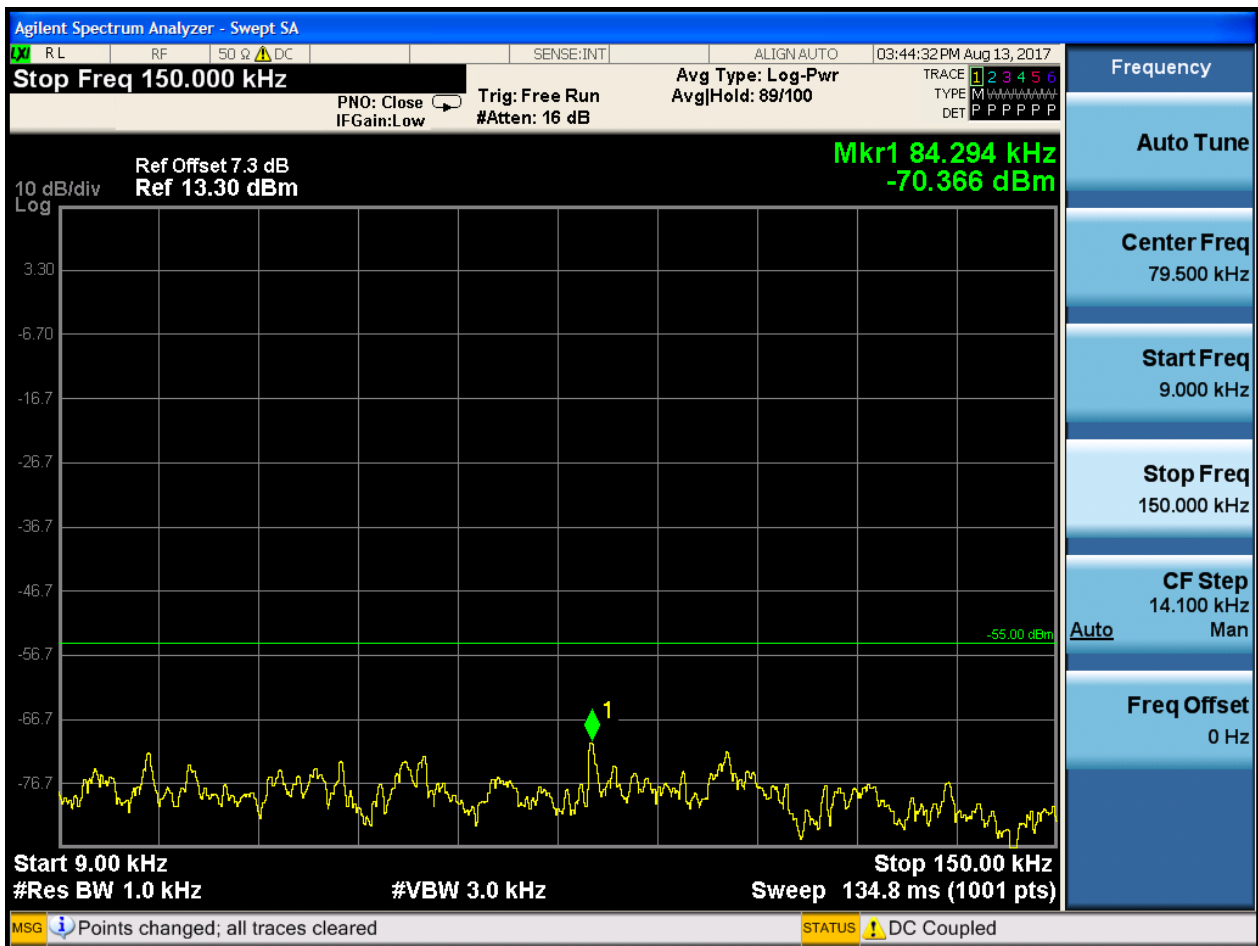




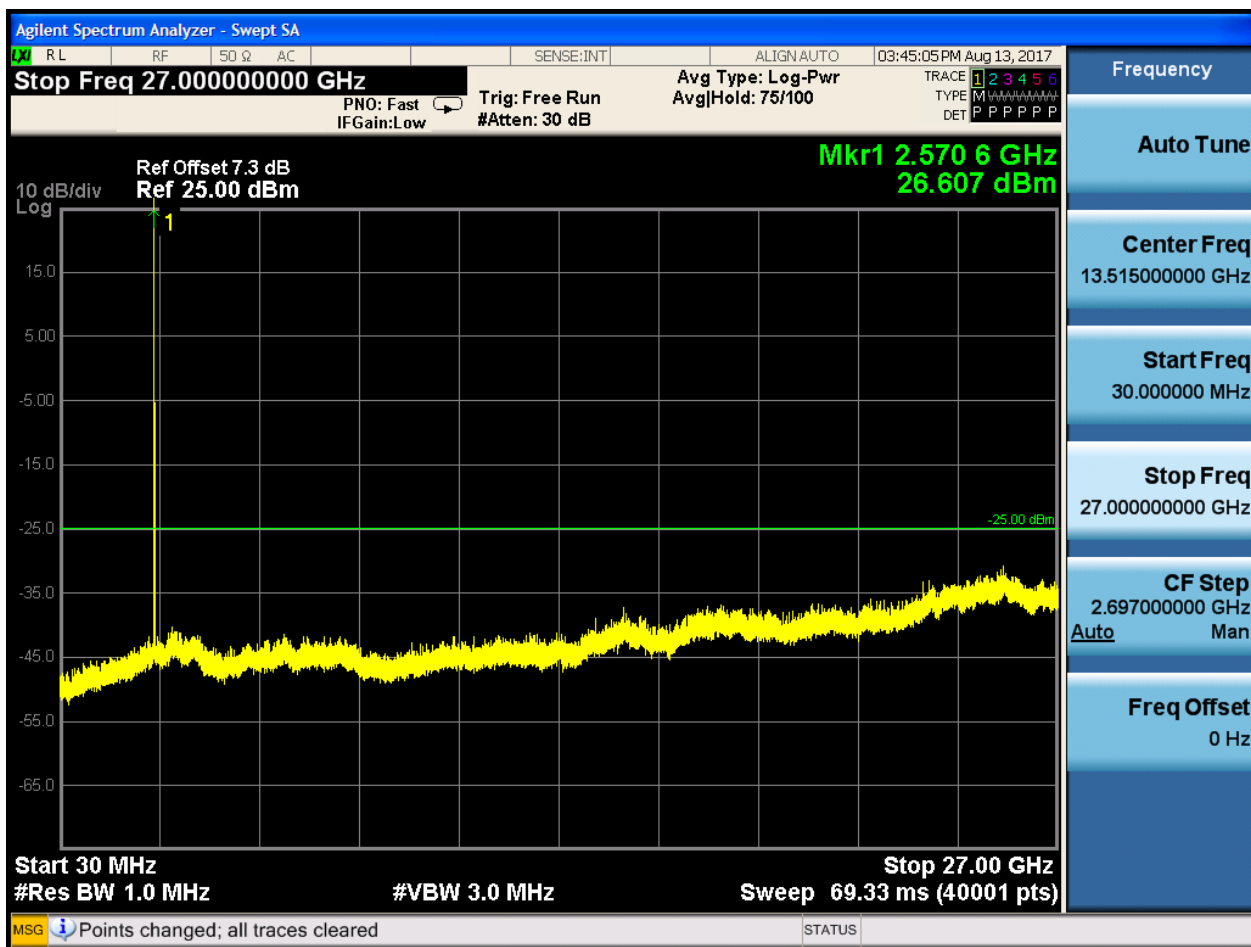




6.1.1.2.3.1.1 Test RB = RB1#0



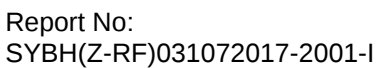


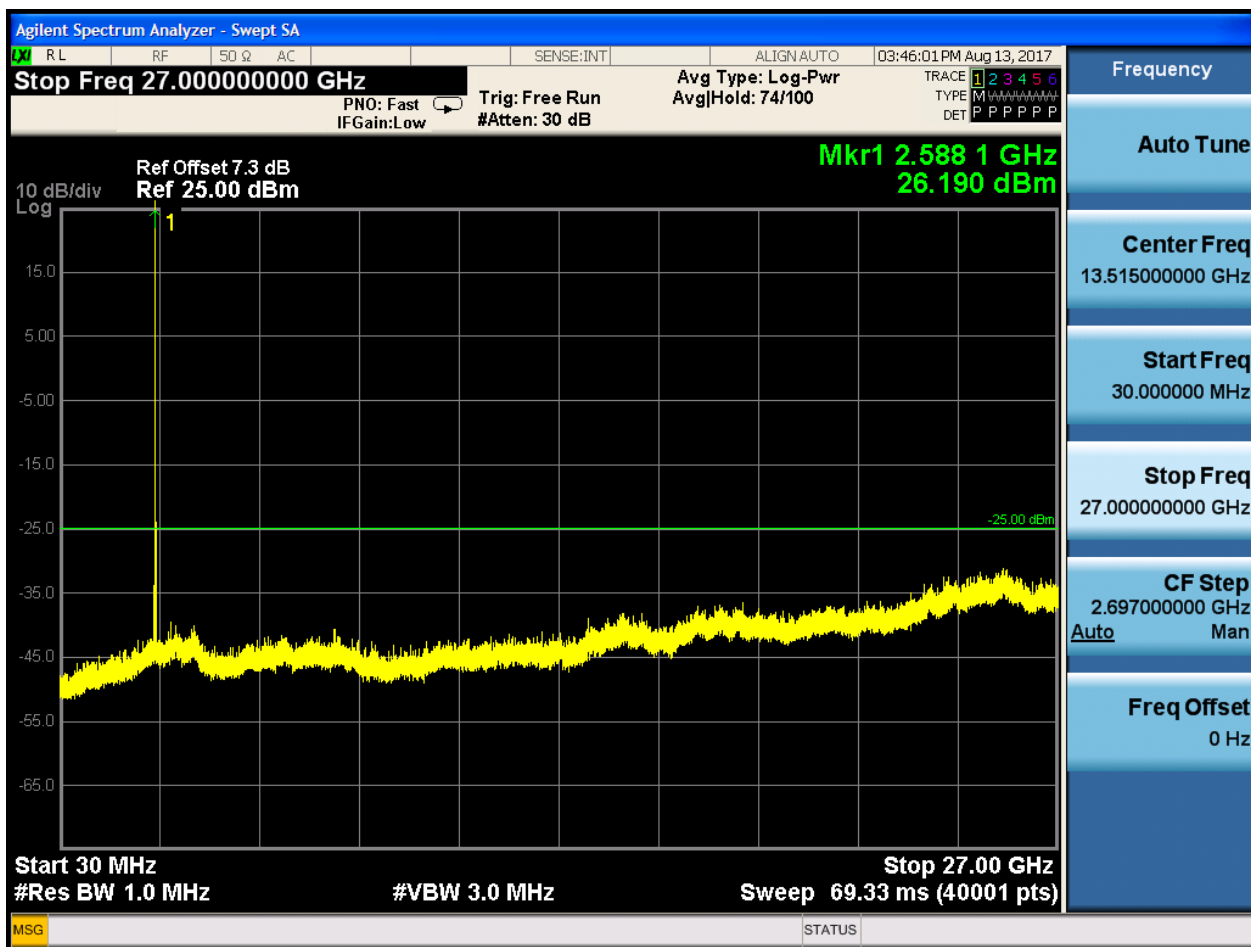


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

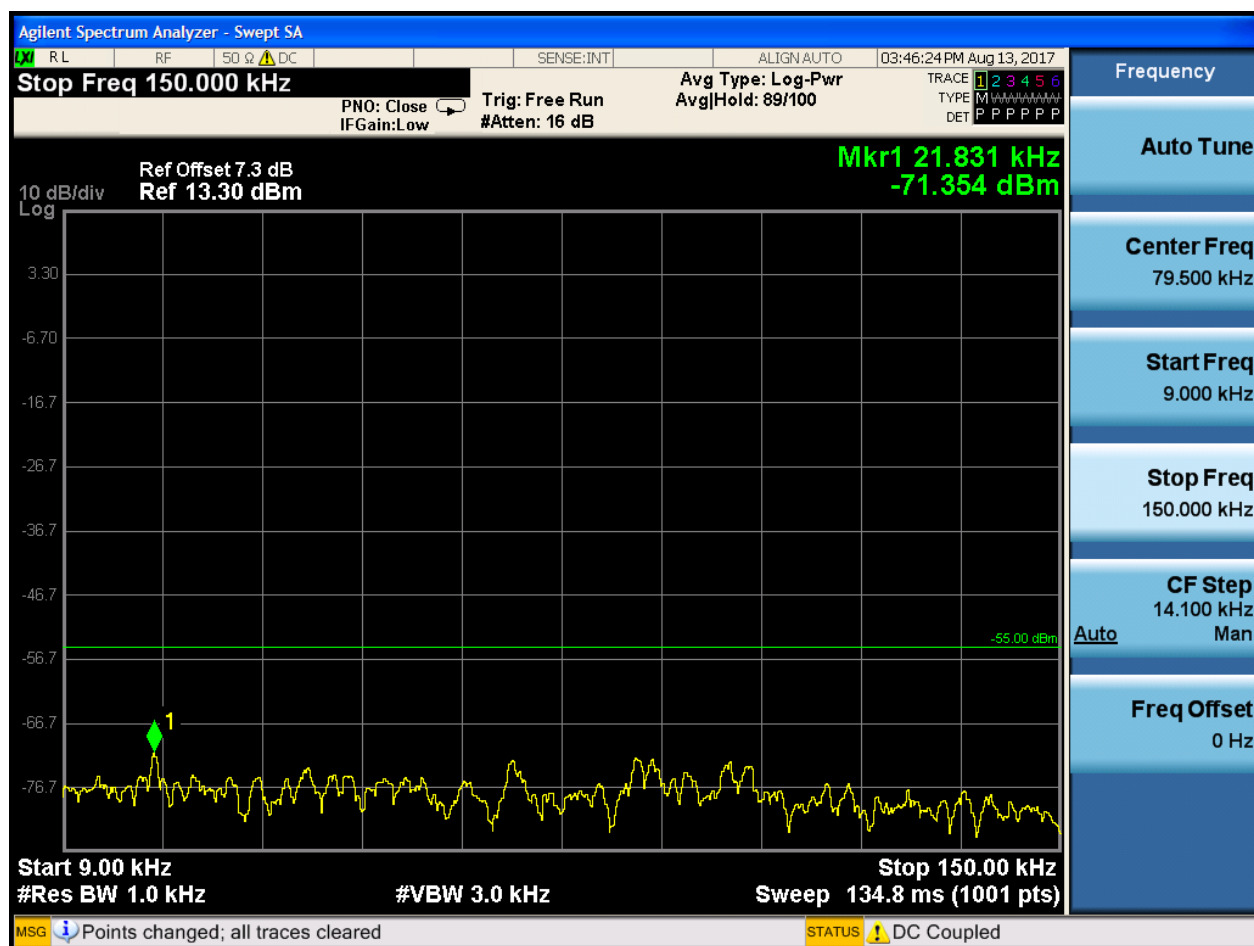


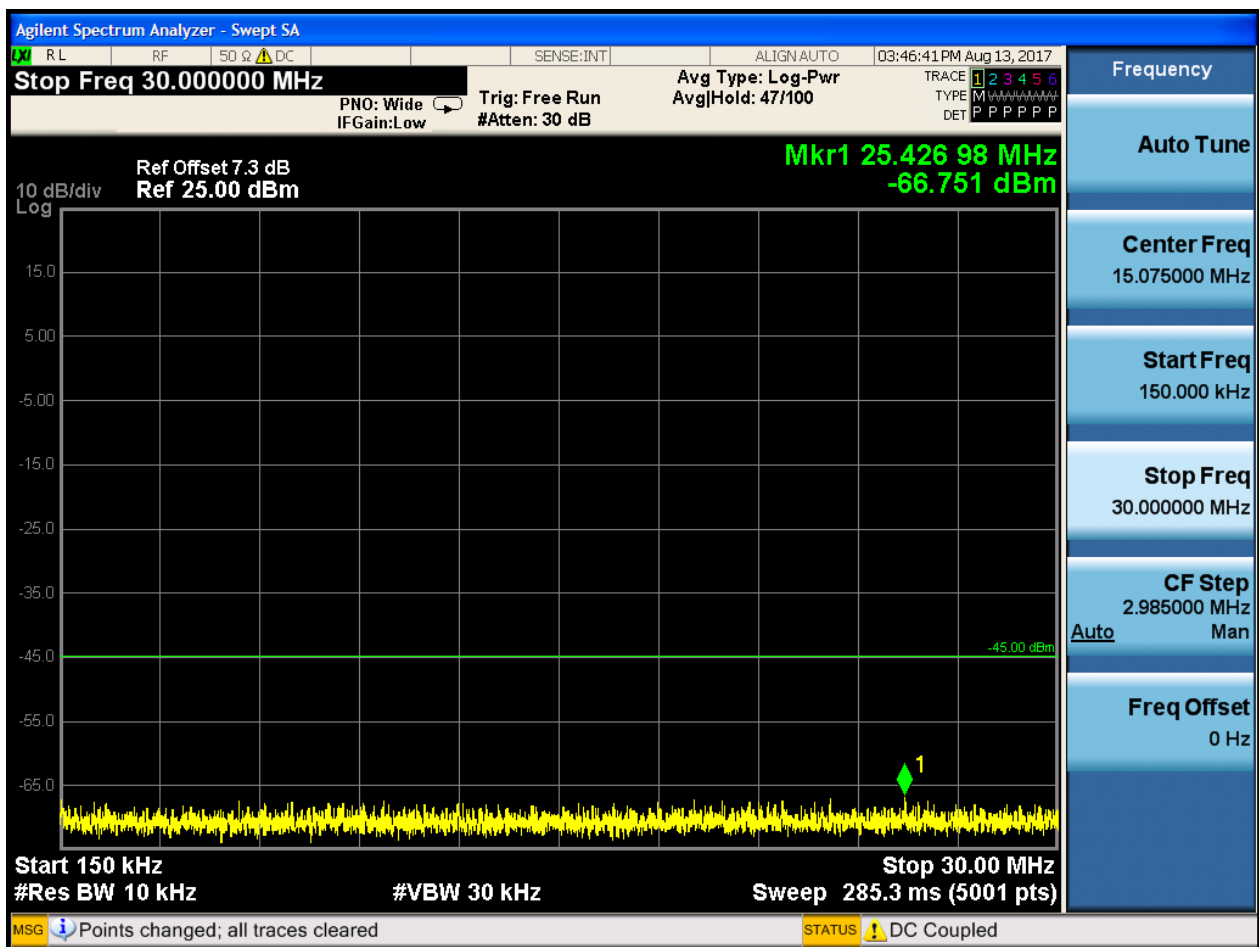


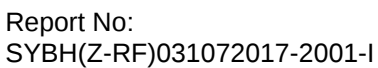


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



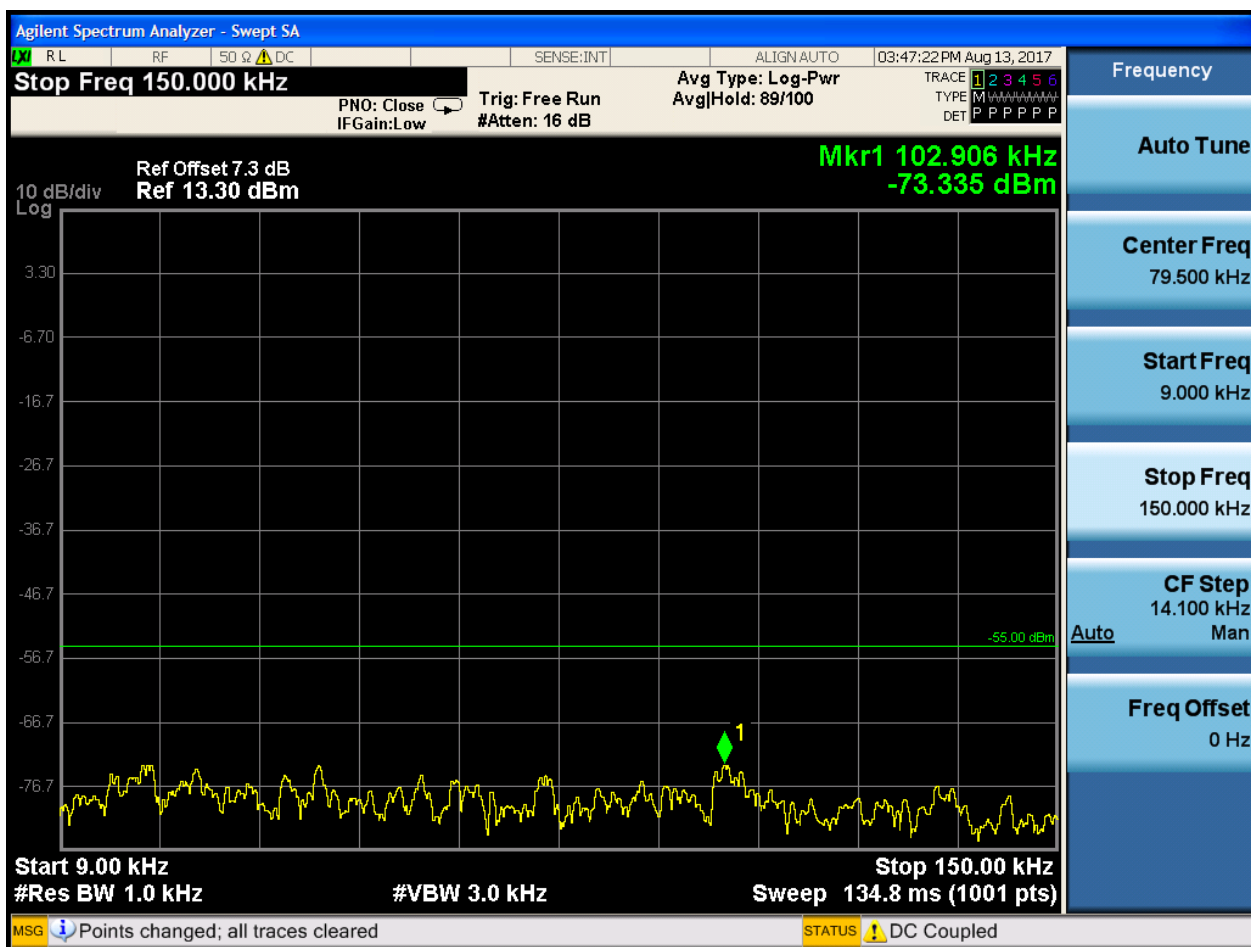


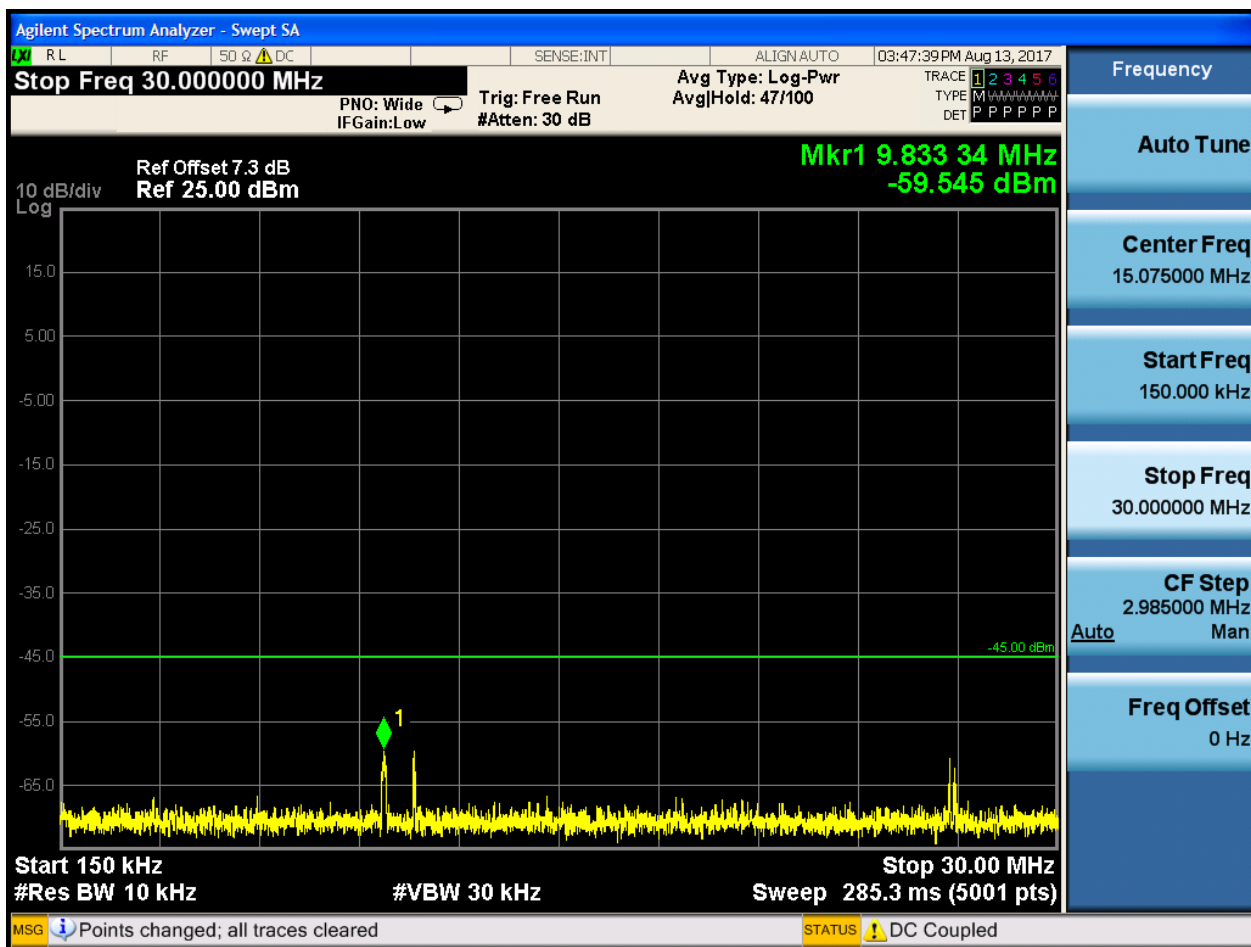


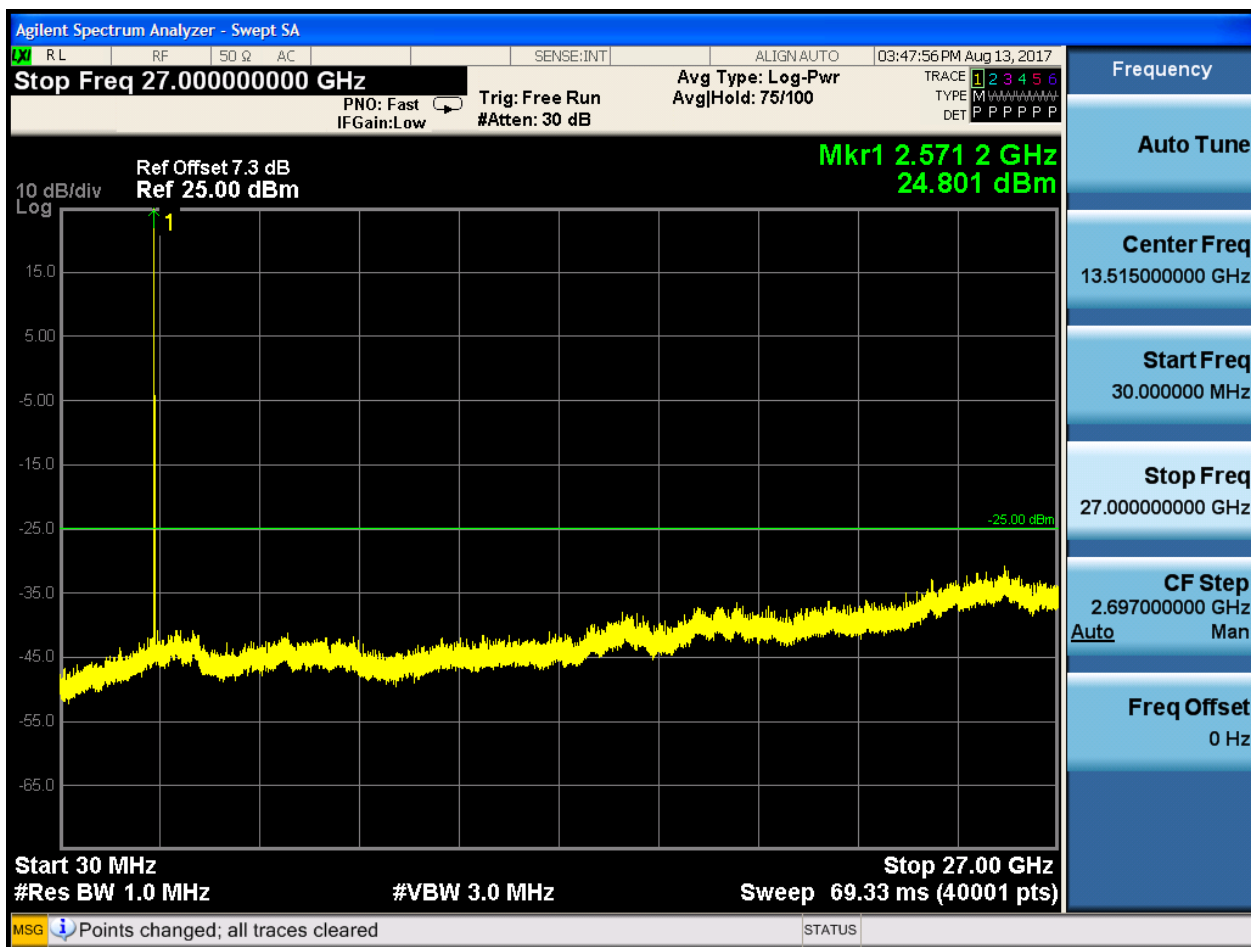
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

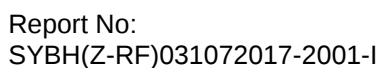


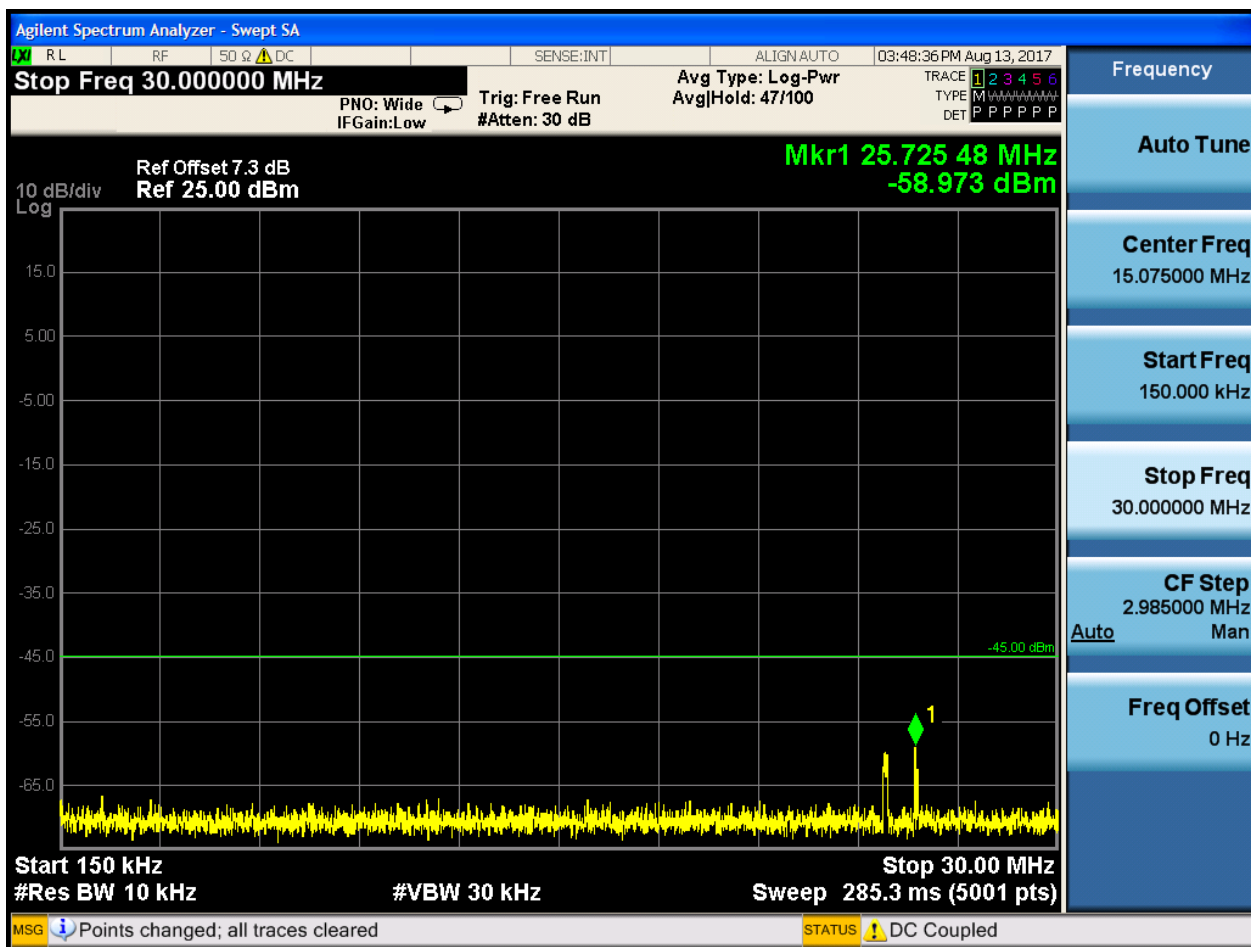


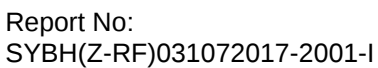




6.1.1.2.4.2.1 Test RB = RB1#0

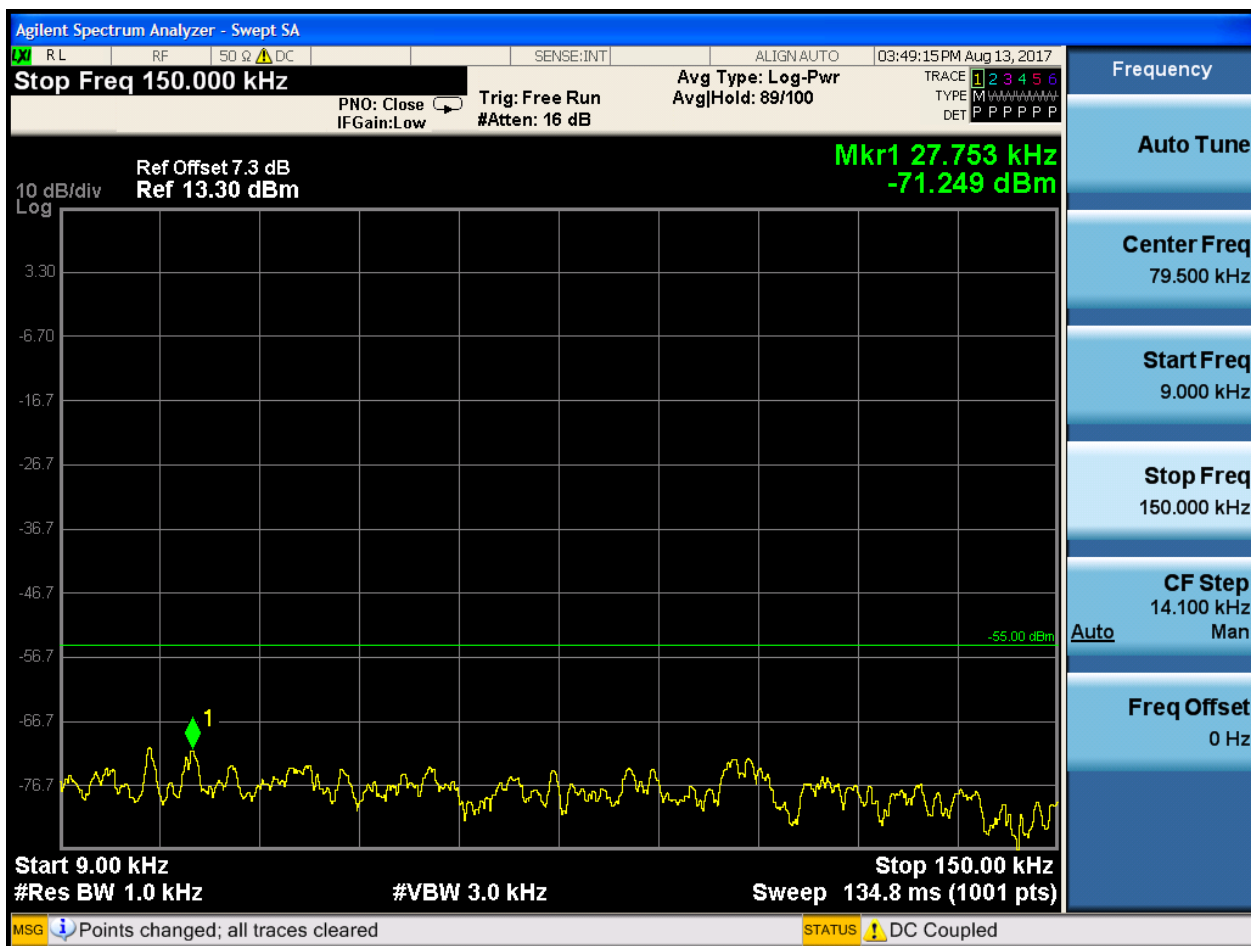


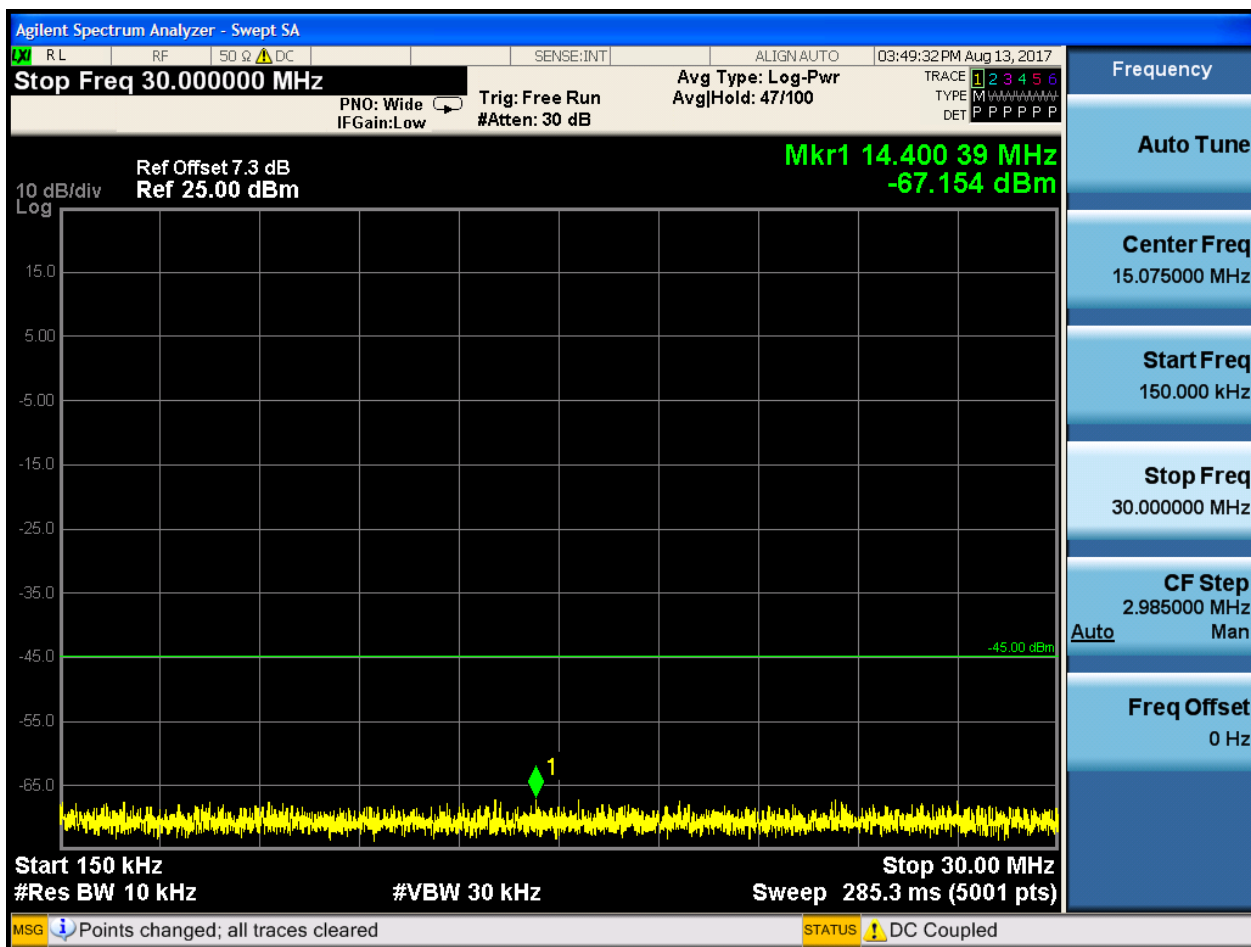


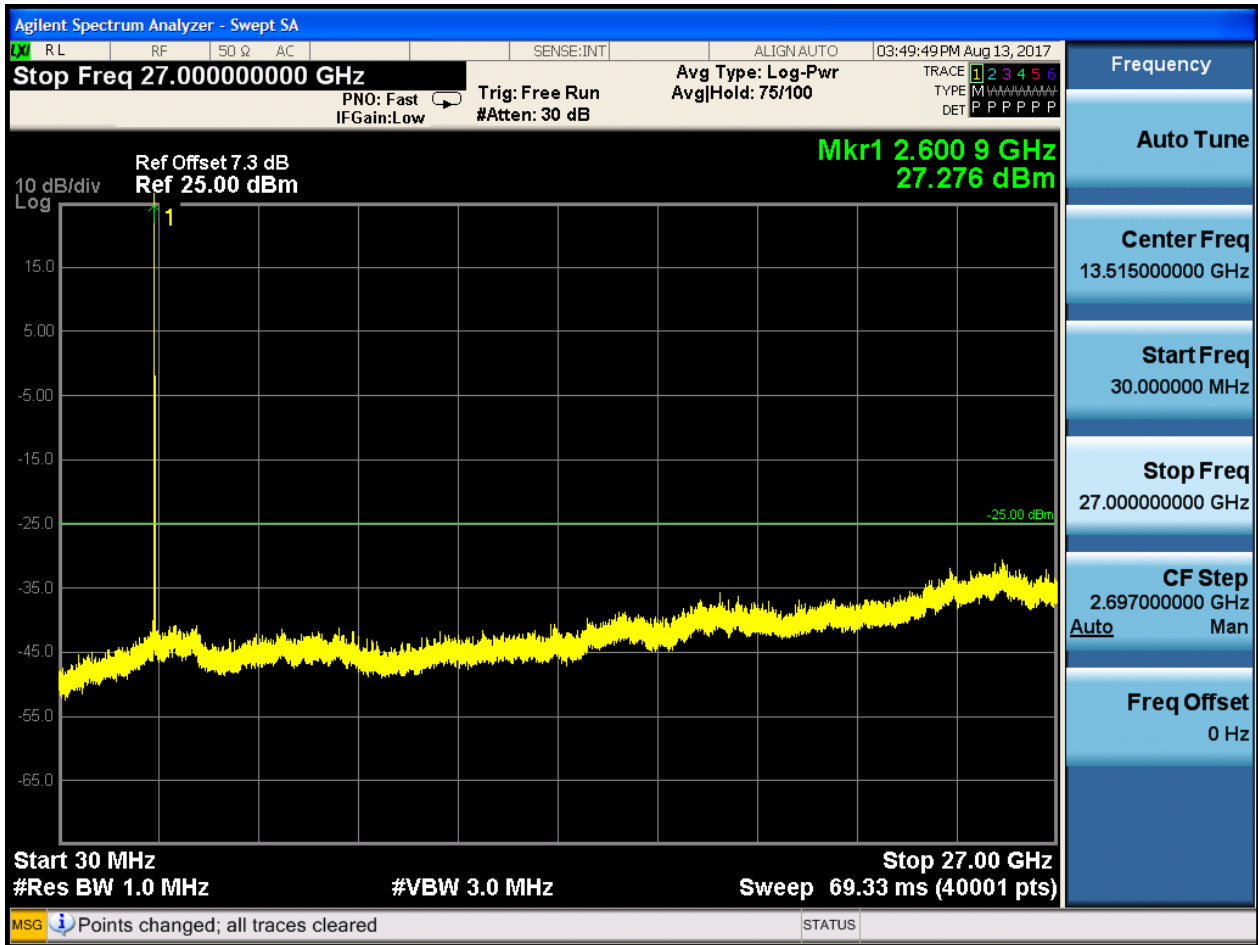


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

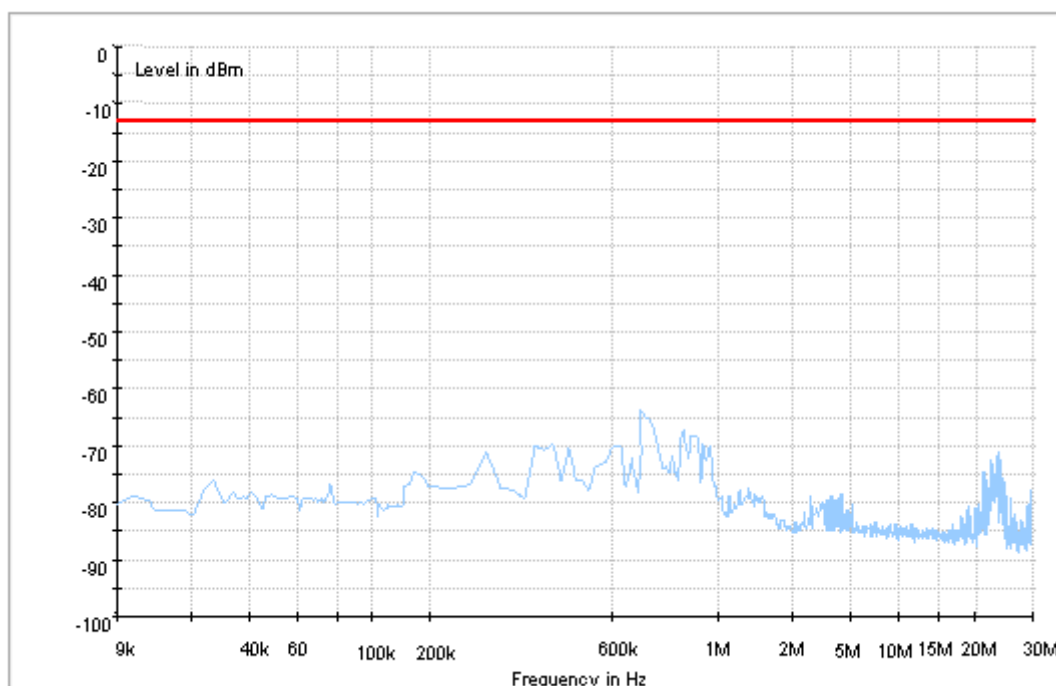
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

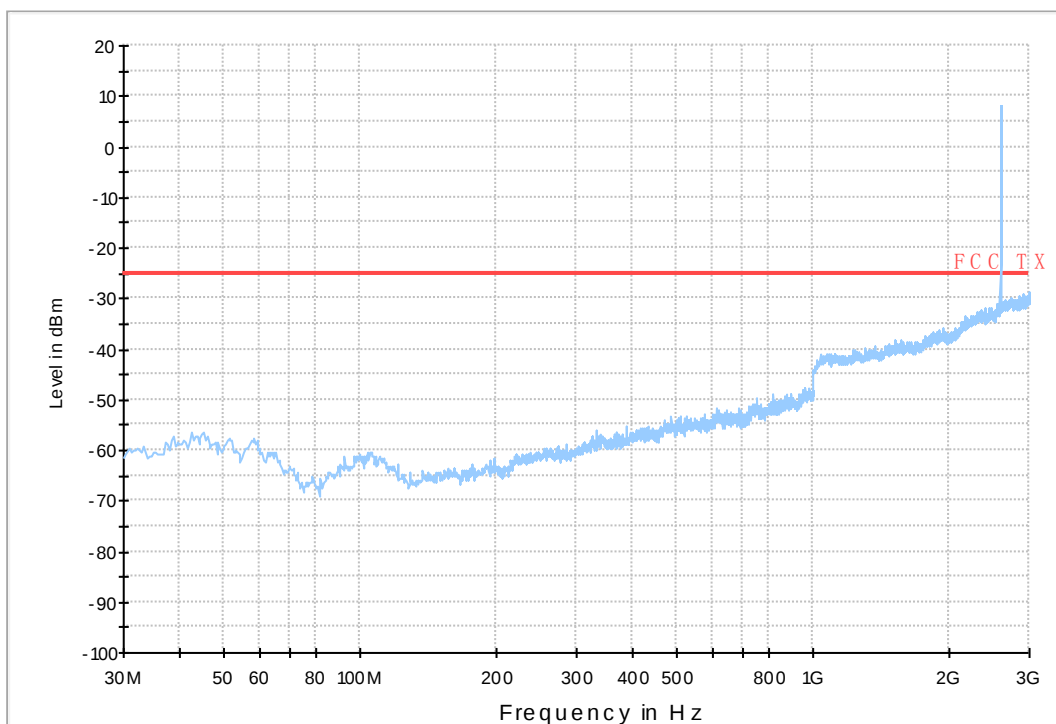
7.1 For LTE

7.1.1 Test Band = BAND38_Ant1

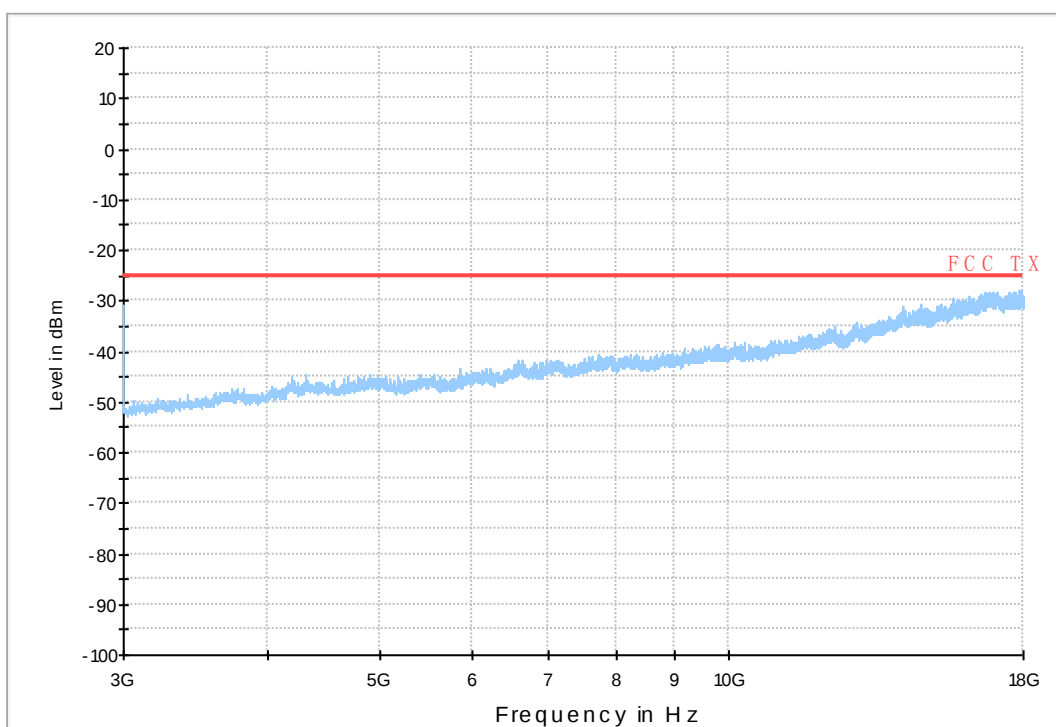
7.1.1.1 Test Bandwidth = 5

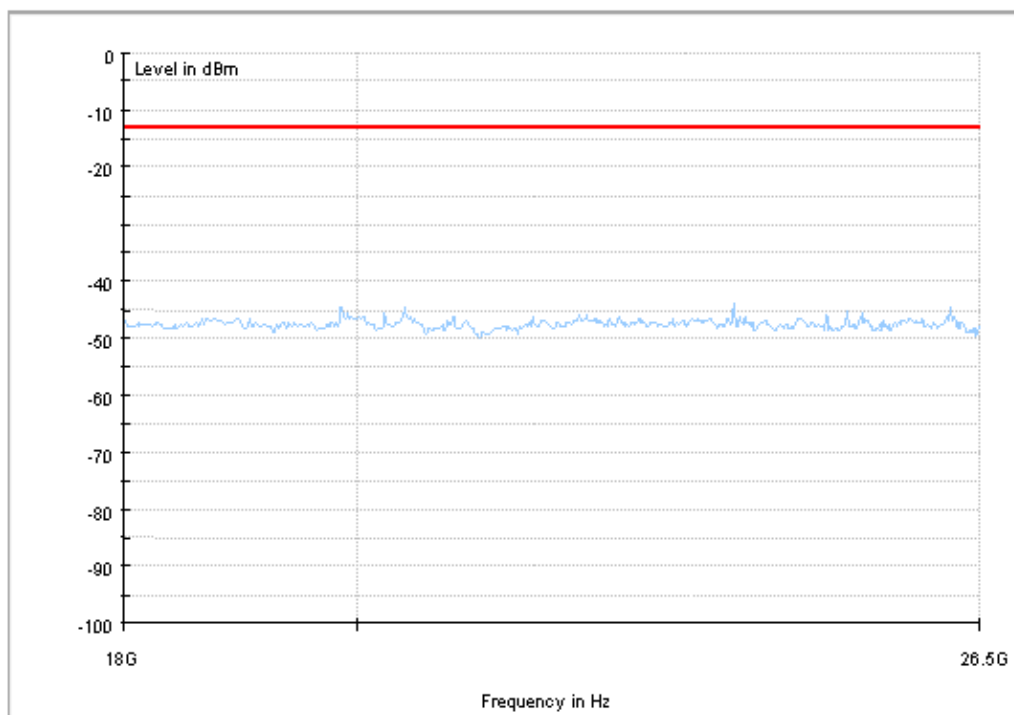


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

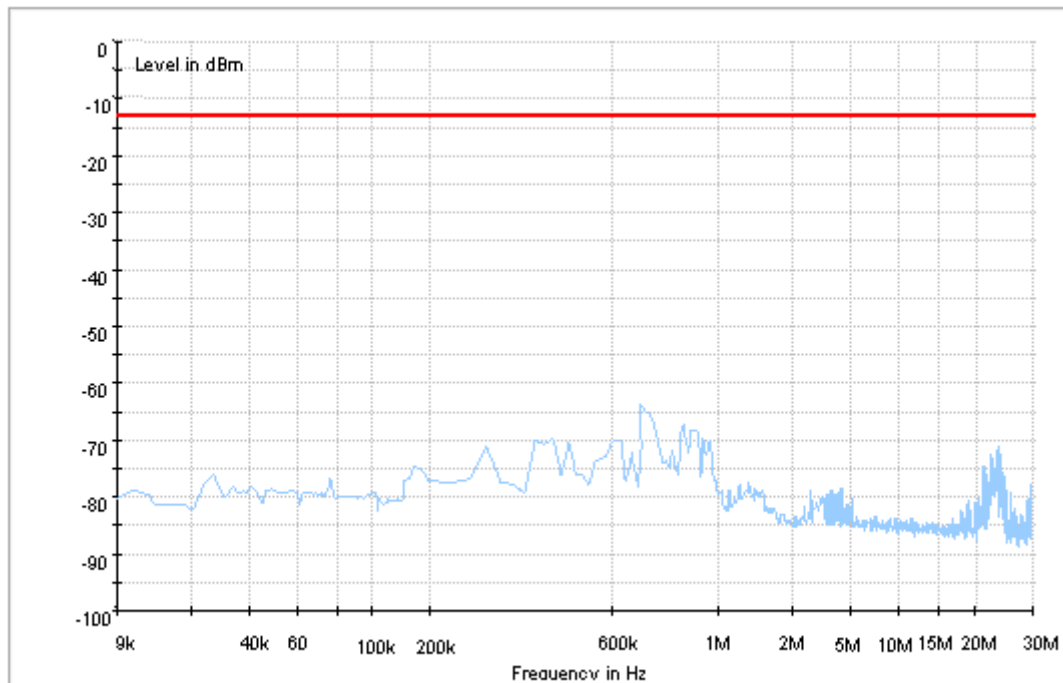


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

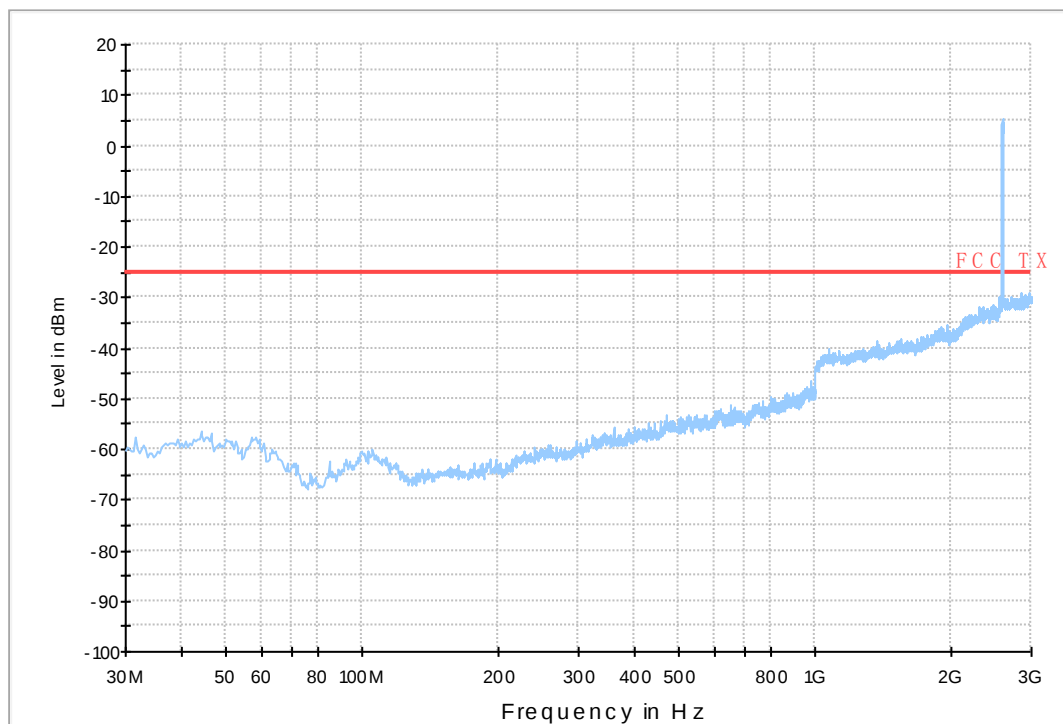




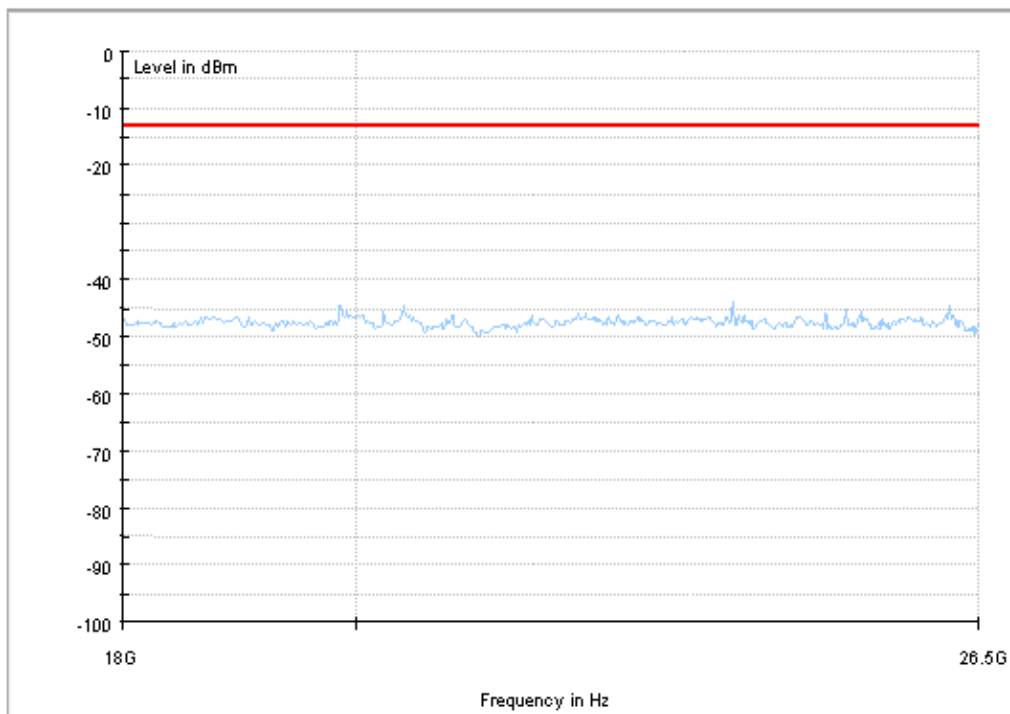
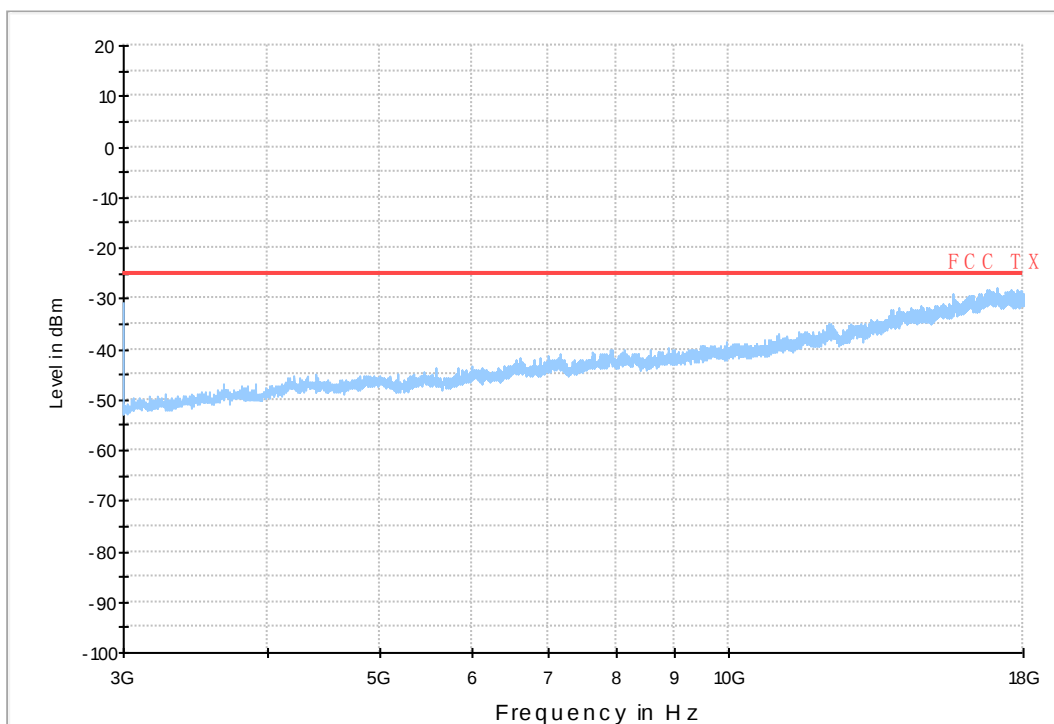
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

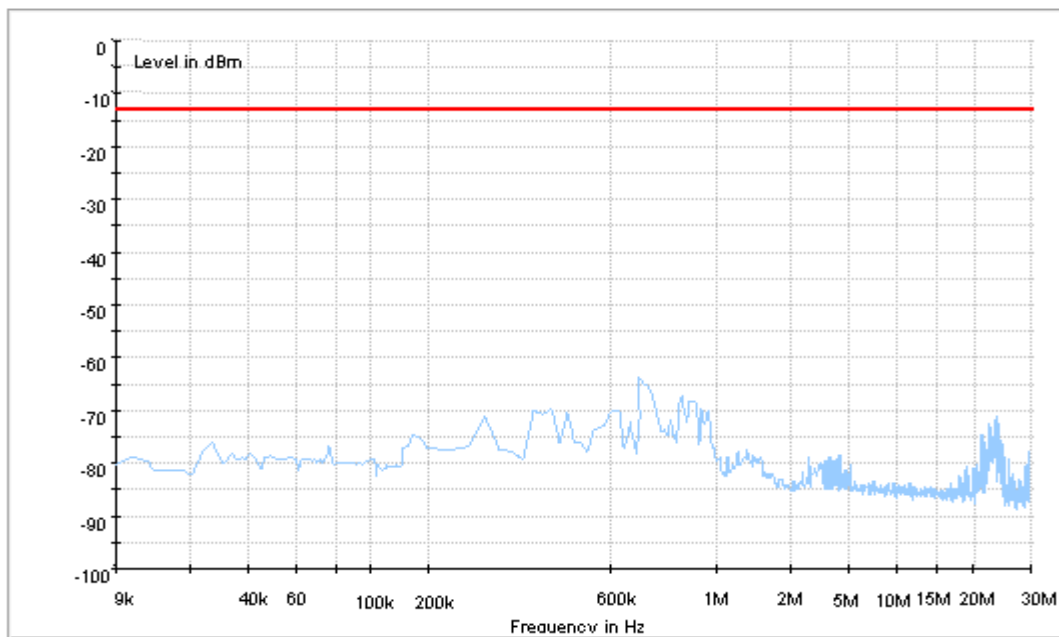


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

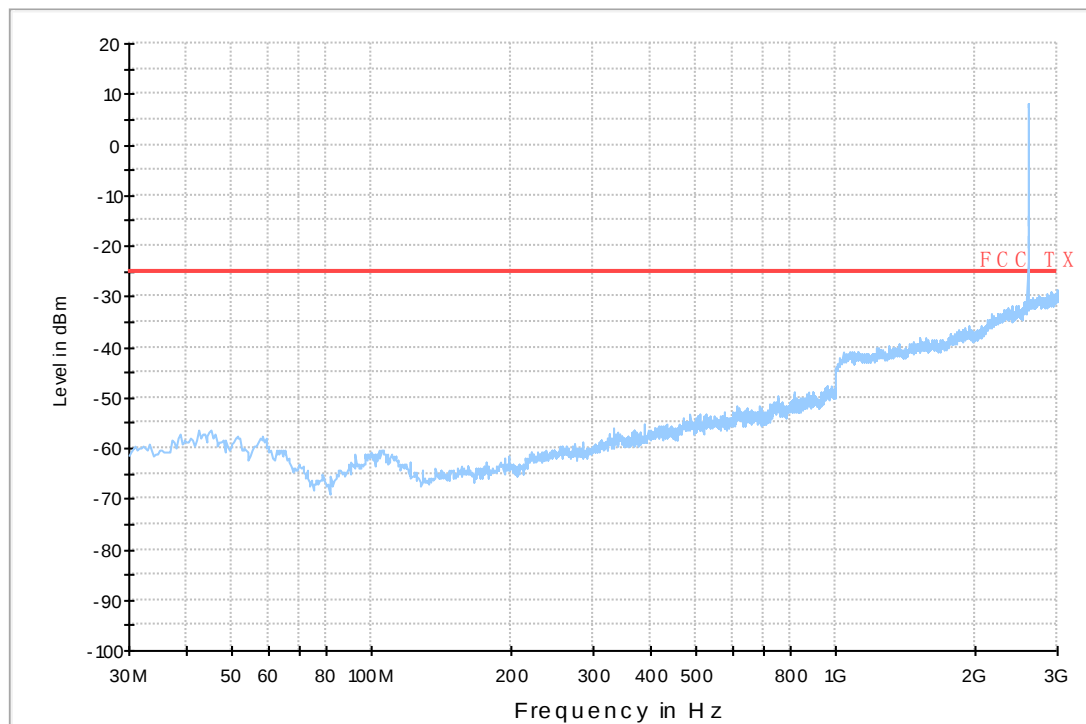


7.1.2 Test Band = BAND38_Ant2

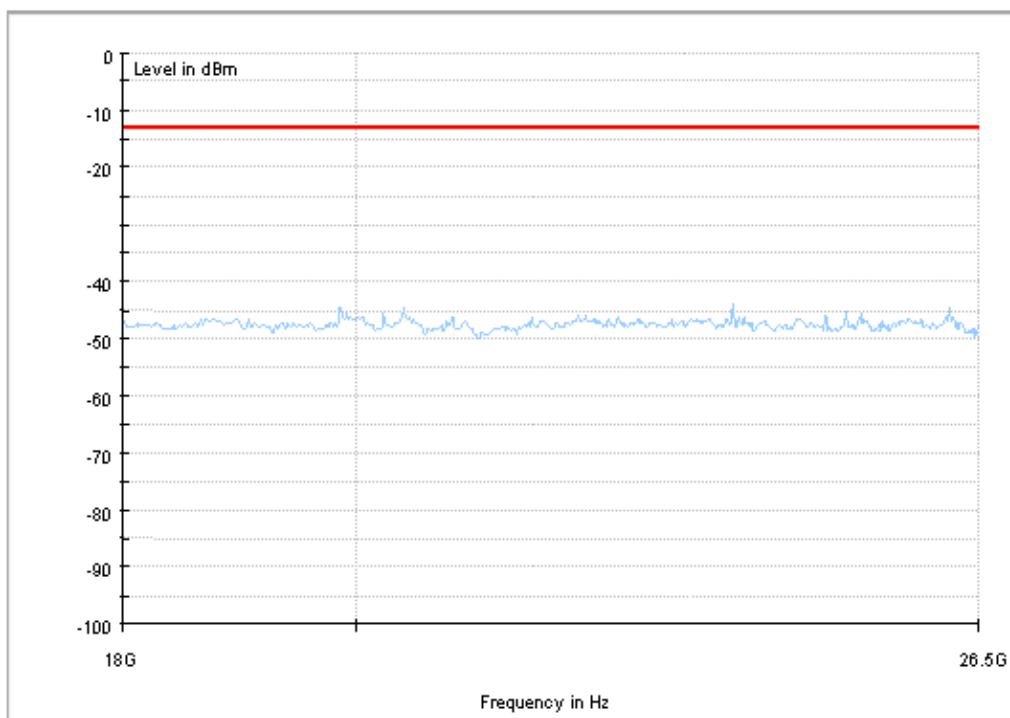
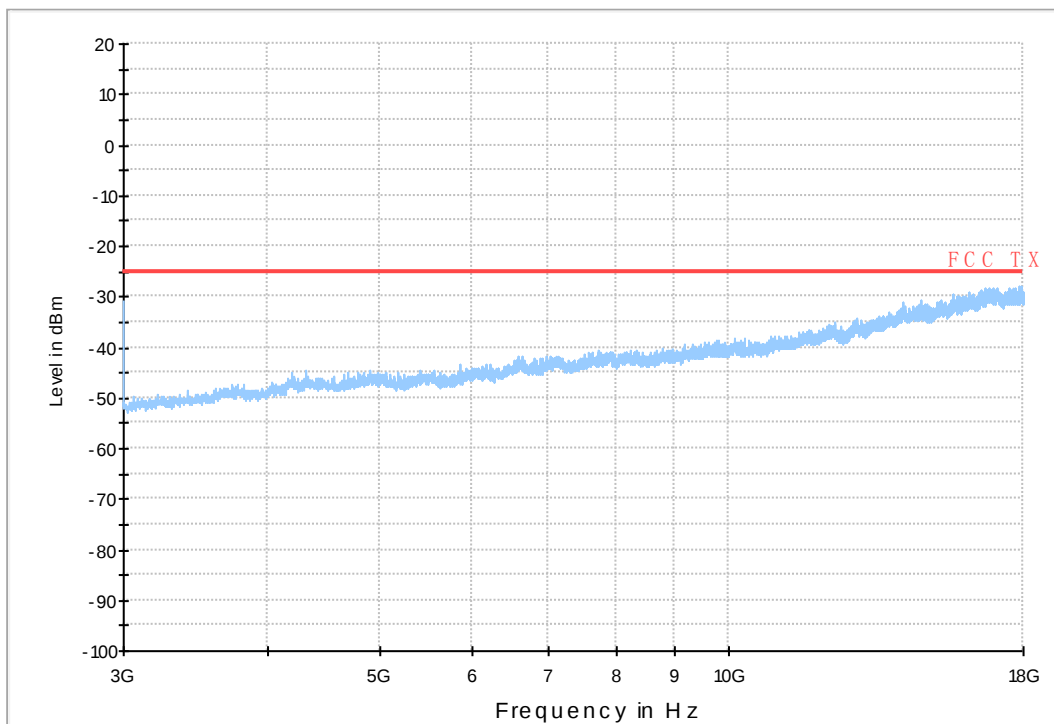
7.1.2.1 Test Bandwidth = 5



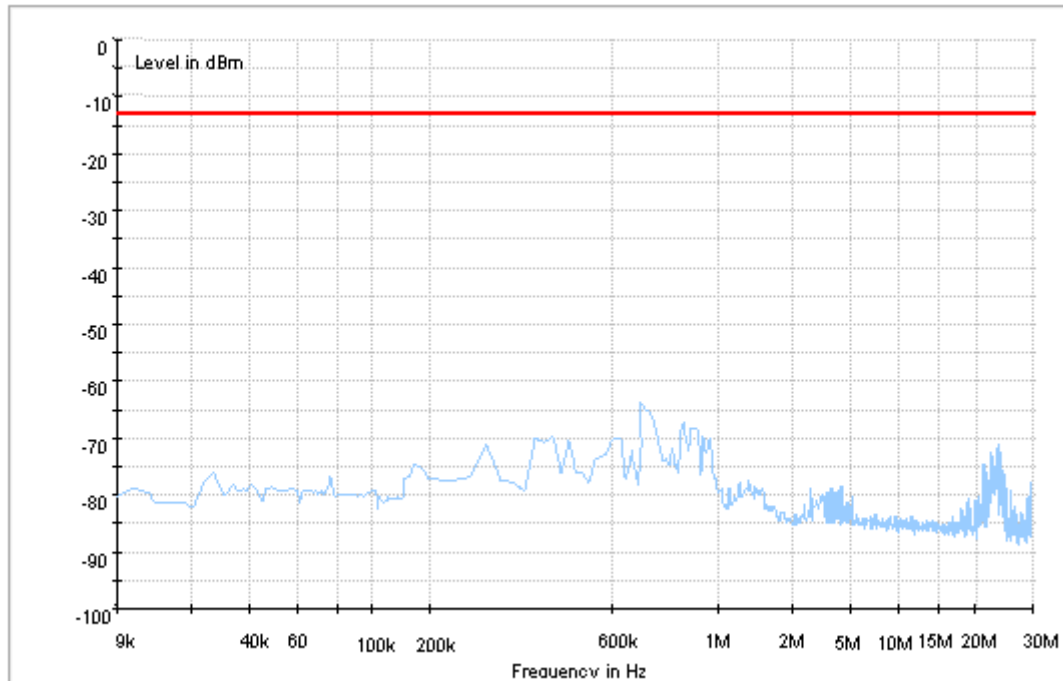
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



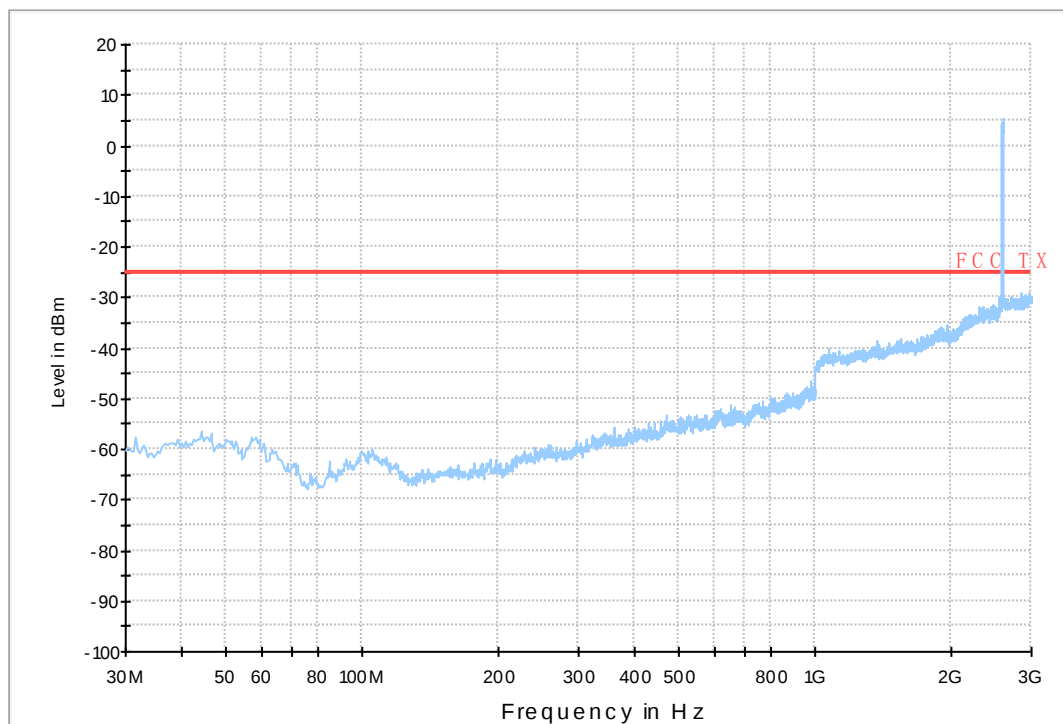
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



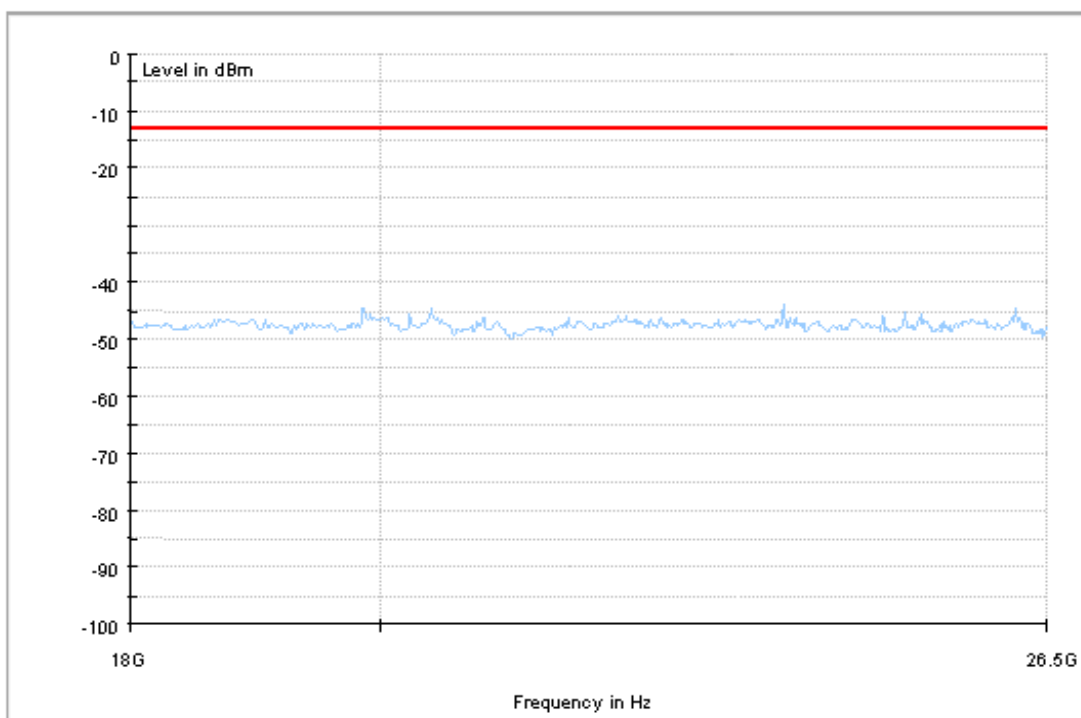
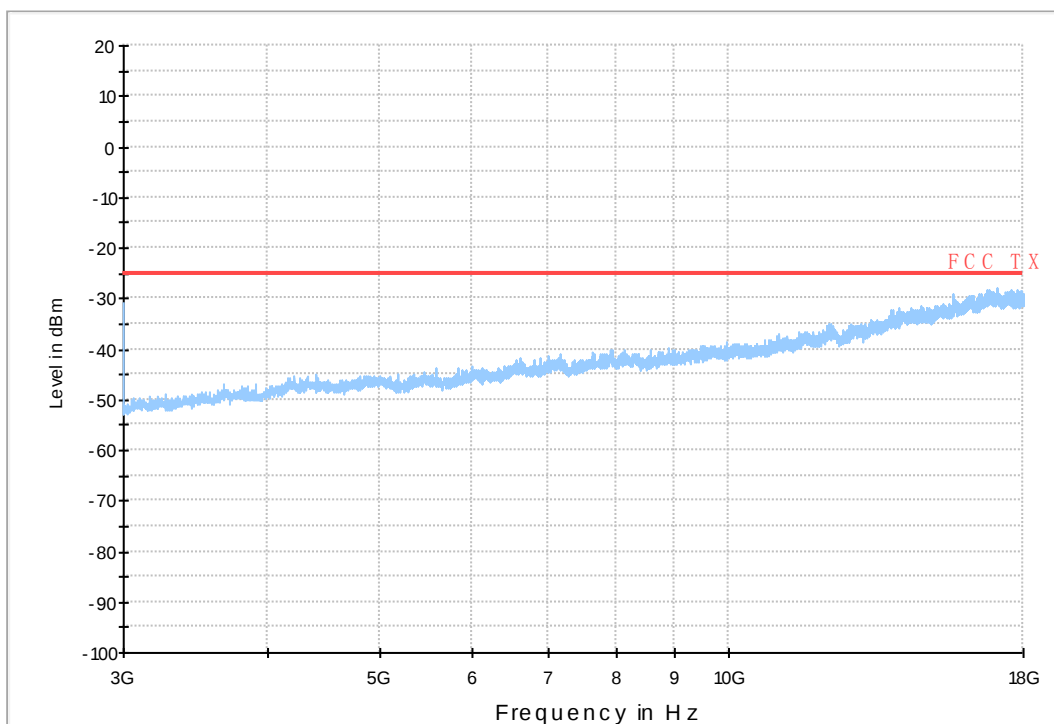
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND38	LTE/TM1	5	LCH	TN	VL	-20.76	-0.00807	PASS
					VN	-15.59	-0.00606	PASS
					VH	-14.33	-0.00557	PASS
			MCH	TN	VL	-36.66	-0.01413	PASS
					VN	-33.49	-0.01291	PASS
					VH	-42.82	-0.0165	PASS
			HCH	TN	VL	-17.28	-0.0066	PASS
					VN	-19.34	-0.00739	PASS
					VH	-20.61	-0.00787	PASS
		10	LCH	TN	VL	-19.03	-0.00739	PASS
					VN	-15.88	-0.00617	PASS
					VH	-16.79	-0.00652	PASS
			MCH	TN	VL	-22.07	-0.0085	PASS
					VN	-17.64	-0.0068	PASS
					VH	-24.42	-0.00941	PASS
			HCH	TN	VL	-22.52	-0.00861	PASS
					VN	-28.68	-0.01097	PASS
					VH	-23.92	-0.00915	PASS
		15	LCH	TN	VL	-17.92	-0.00695	PASS
					VN	-18.57	-0.0072	PASS
					VH	-15.12	-0.00587	PASS
			MCH	TN	VL	-18.27	-0.00704	PASS
					VN	-15.86	-0.00611	PASS
					VH	-20.51	-0.0079	PASS
			HCH	TN	VL	-17.35	-0.00664	PASS
					VN	-16.75	-0.00641	PASS
					VH	-11.97	-0.00458	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20	LCH	TN	VL	-21.31	-0.00826	PASS
					VN	-18.87	-0.00731	PASS
					VH	-17.67	-0.00685	PASS
			MCH	TN	VL	-18.35	-0.00707	PASS
					VN	-18.47	-0.00712	PASS
					VH	-14.98	-0.00577	PASS
			HCH	TN	VL	-17.11	-0.00656	PASS
					VN	-22.79	-0.00873	PASS
					VH	-17.32	-0.00664	PASS
	LTE/TM2	5	LCH	TN	VL	-15.34	-0.00596	PASS
					VN	-18.17	-0.00706	PASS
					VH	-16.91	-0.00657	PASS
			MCH	TN	VL	-29.95	-0.01154	PASS
					VN	-16.74	-0.00645	PASS
					VH	-23.90	-0.00921	PASS
			HCH	TN	VL	-19.67	-0.00751	PASS
					VN	-11.93	-0.00456	PASS
					VH	-79.31	-0.0303	PASS
		10	LCH	TN	VL	-7.41	-0.00288	PASS
					VN	-5.18	-0.00201	PASS
					VH	-0.51	-0.0002	PASS
			MCH	TN	VL	-12.85	-0.00495	PASS
					VN	-18.85	-0.00726	PASS
					VH	-17.37	-0.00669	PASS
			HCH	TN	VL	-34.03	-0.01301	PASS
					VN	-45.38	-0.01735	PASS
					VH	-21.93	-0.00839	PASS
		15	LCH	TN	VL	-18.80	-0.00729	PASS
					VN	-16.01	-0.00621	PASS
					VH	-15.84	-0.00615	PASS
			MCH	TN	VL	-16.94	-0.00653	PASS
					VN	-12.95	-0.00499	PASS
					VH	-10.86	-0.00418	PASS
			HCH	TN	VL	-13.20	-0.00505	PASS
					VN	-15.06	-0.00576	PASS
					VH	-15.18	-0.00581	PASS
		20	LCH	TN	VL	-16.64	-0.00645	PASS
					VN	-14.99	-0.00581	PASS
					VH	-16.62	-0.00644	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	-16.34	-0.0063	PASS
					VN	-13.46	-0.00519	PASS
					VH	-12.43	-0.00479	PASS
			HCH	TN	VL	-9.43	-0.00361	PASS
					VN	-11.52	-0.00441	PASS
					VH	-13.40	-0.00513	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND38	-30	LTE/TM1	5	LCH	VN	-20.31	-0.0079	PASS
				MCH	VN	-10.56	-0.00407	PASS
				HCH	VN	-14.98	-0.00572	PASS
			10	LCH	VN	-20.60	-0.008	PASS
				MCH	VN	-15.19	-0.00585	PASS
				HCH	VN	9.14	0.0035	PASS
			15	LCH	VN	-23.76	-0.00922	PASS
				MCH	VN	-16.09	-0.0062	PASS
				HCH	VN	-11.07	-0.00424	PASS
			20	LCH	VN	-16.25	-0.0063	PASS
				MCH	VN	-14.59	-0.00562	PASS
				HCH	VN	5.58	0.00214	PASS
		LTE/TM2	5	LCH	VN	-52.97	-0.02059	PASS
				MCH	VN	14.33	0.00552	PASS
				HCH	VN	-11.14	-0.00426	PASS
			10	LCH	VN	-22.37	-0.00869	PASS
				MCH	VN	-9.31	-0.00359	PASS
				HCH	VN	-26.85	-0.01027	PASS
			15	LCH	VN	-19.37	-0.00752	PASS
				MCH	VN	-13.48	-0.00519	PASS
				HCH	VN	-14.81	-0.00567	PASS
			20	LCH	VN	-19.90	-0.00771	PASS
				MCH	VN	-16.12	-0.00621	PASS
				HCH	VN	-12.49	-0.00479	PASS
	-20	LTE/TM1	5	LCH	VN	-25.36	-0.00986	PASS
				MCH	VN	-17.35	-0.00669	PASS
				HCH	VN	-58.94	-0.02252	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			10	LCH	VN	-21.73	-0.00844	PASS
				MCH	VN	-12.03	-0.00464	PASS
				HCH	VN	-32.64	-0.01248	PASS
			15	LCH	VN	-17.08	-0.00663	PASS
				MCH	VN	-17.40	-0.00671	PASS
				HCH	VN	-14.00	-0.00536	PASS
			20	LCH	VN	-17.57	-0.00681	PASS
				MCH	VN	-17.82	-0.00687	PASS
				HCH	VN	-14.26	-0.00546	PASS
		LTE/TM2	5	LCH	VN	-23.92	-0.0093	PASS
				MCH	VN	-13.53	-0.00521	PASS
				HCH	VN	-40.41	-0.01544	PASS
			10	LCH	VN	-15.64	-0.00607	PASS
				MCH	VN	-15.81	-0.00609	PASS
				HCH	VN	-48.72	-0.01863	PASS
			15	LCH	VN	-17.05	-0.00661	PASS
				MCH	VN	-16.78	-0.00647	PASS
				HCH	VN	-14.25	-0.00545	PASS
			20	LCH	VN	-17.52	-0.00679	PASS
				MCH	VN	-18.08	-0.00697	PASS
				HCH	VN	-15.95	-0.00611	PASS
	-10	LTE/TM1	5	LCH	VN	-21.21	-0.00824	PASS
				MCH	VN	-24.69	-0.00951	PASS
				HCH	VN	-51.96	-0.01985	PASS
			10	LCH	VN	-20.27	-0.00787	PASS
				MCH	VN	-15.92	-0.00613	PASS
				HCH	VN	-37.55	-0.01436	PASS
			15	LCH	VN	-17.95	-0.00696	PASS
				MCH	VN	-15.69	-0.00605	PASS
				HCH	VN	-22.44	-0.00859	PASS
			20	LCH	VN	-17.18	-0.00666	PASS
				MCH	VN	-17.61	-0.00679	PASS
				HCH	VN	-18.85	-0.00722	PASS
		LTE/TM2	5	LCH	VN	-78.59	-0.03055	PASS
				MCH	VN	-43.60	-0.0168	PASS
				HCH	VN	-66.85	-0.02554	PASS
			10	LCH	VN	-12.00	-0.00466	PASS
				MCH	VN	-21.86	-0.00842	PASS
				HCH	VN	-37.36	-0.01429	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			15	LCH	VN	-18.00	-0.00698	PASS
				MCH	VN	-19.08	-0.00735	PASS
				HCH	VN	-15.36	-0.00588	PASS
			20	LCH	VN	-18.00	-0.00698	PASS
				MCH	VN	-17.22	-0.00664	PASS
				HCH	VN	-15.95	-0.00611	PASS
		LTE/TM1	5	LCH	VN	-15.52	-0.00603	PASS
				MCH	VN	-13.22	-0.00509	PASS
				HCH	VN	-18.53	-0.00708	PASS
			10	LCH	VN	-3.99	-0.00155	PASS
				MCH	VN	-14.81	-0.00571	PASS
				HCH	VN	-42.72	-0.01634	PASS
			15	LCH	VN	-16.34	-0.00634	PASS
				MCH	VN	-17.31	-0.00667	PASS
				HCH	VN	-16.45	-0.0063	PASS
			20	LCH	VN	-18.67	-0.00724	PASS
				MCH	VN	-14.31	-0.00551	PASS
				HCH	VN	-14.31	-0.00548	PASS
	0	LTE/TM2	5	LCH	VN	-23.10	-0.00898	PASS
				MCH	VN	-13.83	-0.00533	PASS
				HCH	VN	-17.70	-0.00676	PASS
			10	LCH	VN	0.51	0.0002	PASS
				MCH	VN	-13.10	-0.00505	PASS
				HCH	VN	-29.98	-0.01146	PASS
			15	LCH	VN	-13.33	-0.00517	PASS
				MCH	VN	-13.18	-0.00508	PASS
				HCH	VN	-20.61	-0.00789	PASS
			20	LCH	VN	-17.92	-0.00695	PASS
				MCH	VN	-15.02	-0.00579	PASS
				HCH	VN	-8.88	-0.0034	PASS
	10	LTE/TM1	5	LCH	VN	-19.81	-0.0077	PASS
				MCH	VN	-15.22	-0.00587	PASS
				HCH	VN	-16.28	-0.00622	PASS
			10	LCH	VN	-9.78	-0.0038	PASS
				MCH	VN	-11.40	-0.00439	PASS
				HCH	VN	-30.94	-0.01183	PASS
			15	LCH	VN	-18.25	-0.00708	PASS
				MCH	VN	-13.23	-0.0051	PASS
				HCH	VN	-24.16	-0.00925	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			20	LCH	VN	-17.11	-0.00663	PASS
				MCH	VN	-15.65	-0.00603	PASS
				HCH	VN	-12.09	-0.00463	PASS
		LTE/TM2	5	LCH	VN	-18.88	-0.00734	PASS
				MCH	VN	-4.94	-0.0019	PASS
				HCH	VN	-16.79	-0.00641	PASS
			10	LCH	VN	-20.77	-0.00807	PASS
				MCH	VN	-11.09	-0.00427	PASS
				HCH	VN	-16.58	-0.00634	PASS
			15	LCH	VN	-15.86	-0.00615	PASS
				MCH	VN	-15.19	-0.00585	PASS
				HCH	VN	-12.96	-0.00496	PASS
			20	LCH	VN	-16.29	-0.00631	PASS
				MCH	VN	-15.88	-0.00612	PASS
				HCH	VN	-14.09	-0.0054	PASS
	20	LTE/TM1	5	LCH	VN	-55.17	-0.02145	PASS
				MCH	VN	-0.63	-0.00024	PASS
				HCH	VN	-14.58	-0.00557	PASS
			10	LCH	VN	-25.23	-0.0098	PASS
				MCH	VN	-15.11	-0.00582	PASS
				HCH	VN	-37.99	-0.01453	PASS
			15	LCH	VN	-19.03	-0.00738	PASS
				MCH	VN	-16.95	-0.00653	PASS
				HCH	VN	-15.58	-0.00596	PASS
			20	LCH	VN	-18.85	-0.00731	PASS
				MCH	VN	-17.65	-0.0068	PASS
				HCH	VN	-14.03	-0.00538	PASS
		LTE/TM2	5	LCH	VN	-22.42	-0.00872	PASS
				MCH	VN	-15.03	-0.00579	PASS
				HCH	VN	-18.30	-0.00699	PASS
			10	LCH	VN	-29.41	-0.01142	PASS
				MCH	VN	-12.76	-0.00492	PASS
				HCH	VN	-16.29	-0.00623	PASS
			15	LCH	VN	-18.87	-0.00732	PASS
				MCH	VN	-15.16	-0.00584	PASS
				HCH	VN	-22.75	-0.00871	PASS
			20	LCH	VN	-16.94	-0.00657	PASS
				MCH	VN	-19.11	-0.00736	PASS
				HCH	VN	-17.71	-0.00679	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	30	LTE/TM1	5	LCH	VN	-22.86	-0.00889	PASS
				MCH	VN	-15.44	-0.00595	PASS
				HCH	VN	-16.71	-0.00638	PASS
			10	LCH	VN	-21.03	-0.00817	PASS
				MCH	VN	-25.21	-0.00971	PASS
				HCH	VN	-17.04	-0.00652	PASS
			15	LCH	VN	-15.55	-0.00603	PASS
				MCH	VN	-17.98	-0.00693	PASS
				HCH	VN	-13.83	-0.00529	PASS
			20	LCH	VN	-17.52	-0.00679	PASS
				MCH	VN	-15.81	-0.00609	PASS
				HCH	VN	-14.31	-0.00548	PASS
		LTE/TM2	5	LCH	VN	-51.27	-0.01993	PASS
				MCH	VN	-19.07	-0.00735	PASS
				HCH	VN	-43.77	-0.01672	PASS
			10	LCH	VN	-8.47	-0.00329	PASS
				MCH	VN	-18.47	-0.00712	PASS
				HCH	VN	-17.52	-0.0067	PASS
			15	LCH	VN	-20.14	-0.00781	PASS
				MCH	VN	-16.54	-0.00637	PASS
				HCH	VN	-15.19	-0.00581	PASS
			20	LCH	VN	-18.74	-0.00726	PASS
				MCH	VN	-15.68	-0.00604	PASS
				HCH	VN	-16.81	-0.00644	PASS
	40	LTE/TM1	5	LCH	VN	-18.05	-0.00702	PASS
				MCH	VN	-13.93	-0.00537	PASS
				HCH	VN	-57.13	-0.02183	PASS
			10	LCH	VN	-16.34	-0.00635	PASS
				MCH	VN	-15.56	-0.006	PASS
				HCH	VN	-30.13	-0.01152	PASS
			15	LCH	VN	-17.34	-0.00673	PASS
				MCH	VN	-14.59	-0.00562	PASS
				HCH	VN	-15.71	-0.00601	PASS
			20	LCH	VN	-17.97	-0.00697	PASS
				MCH	VN	-15.79	-0.00608	PASS
				HCH	VN	-15.36	-0.00589	PASS
		LTE/TM2	5	LCH	VN	-17.88	-0.00695	PASS
				MCH	VN	-12.86	-0.00496	PASS
				HCH	VN	-53.97	-0.02062	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			10	LCH	VN	-18.90	-0.00734	PASS
				MCH	VN	-12.65	-0.00487	PASS
				HCH	VN	-11.57	-0.00442	PASS
			15	LCH	VN	-15.99	-0.0062	PASS
				MCH	VN	-15.12	-0.00583	PASS
				HCH	VN	-16.05	-0.00614	PASS
			20	LCH	VN	-16.98	-0.00658	PASS
				MCH	VN	-15.06	-0.0058	PASS
				HCH	VN	-16.91	-0.00648	PASS
	50	LTE/TM1	5	LCH	VN	-23.90	-0.00929	PASS
				MCH	VN	-15.68	-0.00604	PASS
				HCH	VN	-13.22	-0.00505	PASS
			10	LCH	VN	-23.20	-0.00901	PASS
				MCH	VN	-11.89	-0.00458	PASS
				HCH	VN	-21.20	-0.00811	PASS
			15	LCH	VN	-16.38	-0.00635	PASS
				MCH	VN	-18.44	-0.00711	PASS
				HCH	VN	-14.92	-0.00571	PASS
			20	LCH	VN	-20.53	-0.00796	PASS
				MCH	VN	-14.91	-0.00575	PASS
				HCH	VN	-16.11	-0.00617	PASS
		LTE/TM2	5	LCH	VN	-16.31	-0.00634	PASS
				MCH	VN	-16.09	-0.0062	PASS
				HCH	VN	-55.66	-0.02126	PASS
			10	LCH	VN	-21.76	-0.00845	PASS
				MCH	VN	-10.57	-0.00407	PASS
				HCH	VN	-38.55	-0.01474	PASS
			15	LCH	VN	-16.12	-0.00625	PASS
				MCH	VN	-15.74	-0.00607	PASS
				HCH	VN	-18.20	-0.00697	PASS
			20	LCH	VN	-14.10	-0.00547	PASS
				MCH	VN	-17.55	-0.00676	PASS
				HCH	VN	-16.24	-0.00622	PASS

END